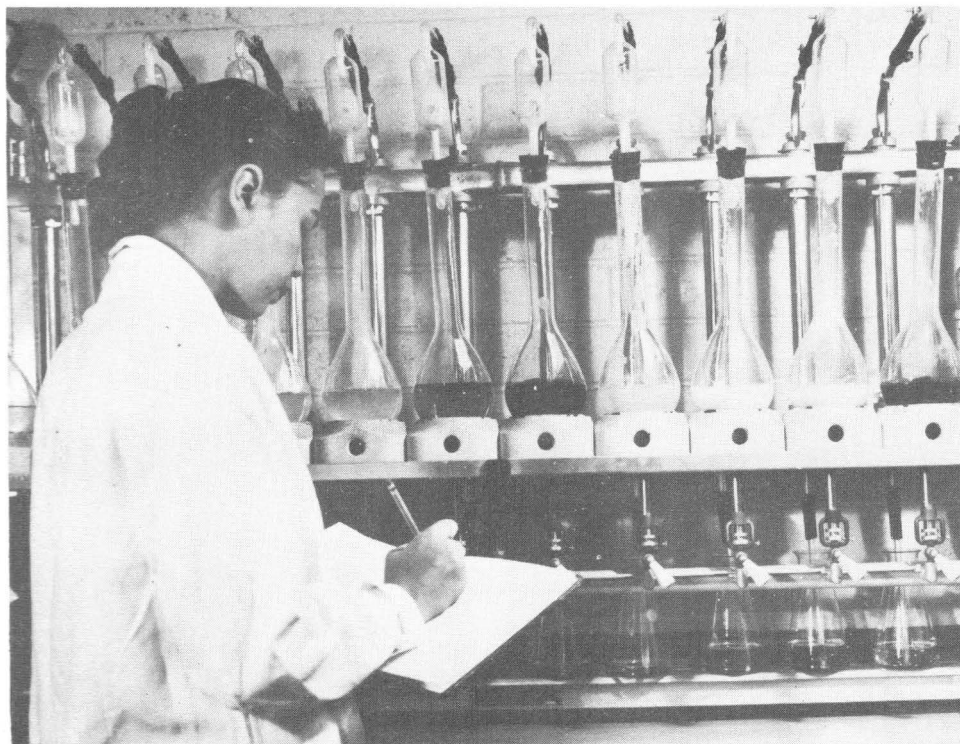


Report on Analysis of Official Commercial Feed Samples

July 1958 - December 1959



HAWAII AGRICULTURAL EXPERIMENT STATION
UNIVERSITY OF HAWAII

in cooperation with the
DEPARTMENT OF AGRICULTURE AND CONSERVATION
STATE OF HAWAII

ON THE COVER: Setting up a battery of Kjeldahl distillation flasks for the determination of protein nitrogen.

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REPORT ON ANALYSIS OF OFFICIAL COMMERCIAL FEED SAMPLES

JULY 1, 1958 - DECEMBER 31, 1959

Yoshihiko Kawano, Barbara Temple, Hiromu Matsumoto,
Frank Kitamura, and Charles L. Powell¹

INTRODUCTION

The 1955 Hawaii Feed Law was repealed and Act 275, Hawaii Feed Law of 1959, was enacted by the 1959 Legislature. This Act is administered by the State Department of Agriculture and Conservation (formerly the Board of Commissioners of Agriculture and Forestry).

The Hawaii Agricultural Experiment Station of the University of Hawaii cooperates, as the designated chemical laboratory, in the analysis of samples collected by the inspectors of the Department of Agriculture and Conservation.

REGISTRATION AND LABELING

The law requires that each commercial feed be registered before being distributed in this State or imported. Custom-mixed feed and toll-milled feed are exempt from registration. The term "commercial feed" is defined by the law as all materials which are designed to be used for the purpose of feeding poultry, rabbits, and livestock other than dogs, cats or other domestic pets. It does not include unmixed whole seed and meals made directly from entire seeds, unground hay, whole or ground straw, silage, cobs, cane bagasse, stover and hulls when not mixed with other materials; or wet garbage; or individual chemical compounds when not mixed with other material; or unmixed feeding cane molasses and unmixed pineapple pulp.

Initial registration under this Act began on July 1, 1959, and expires on December 31, 1960, effective for one and one-half years. All subsequent registration shall be effective for one year beginning January 1 and expiring December 31 of each year. There is a registration fee of \$10.00 for each commercial feed registered.

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Any commercial feed, other than custom-mixed or toll-milled feed, distributed in this State or imported shall be accompanied by a legible label bearing the following information: (1) the net weight, (2) the name or brand under which the commercial feed is sold, (3) the guaranteed analysis of the commercial feed, listing the maximum percentage of crude protein, minimum percentage of crude fat, maximum percentage of ash. For mineral feeds, the list shall include the following if added: minimum and maximum percentages of calcium (Ca), minimum percentage of phosphorus (P), minimum percentage of iodine (I), and minimum and maximum percentages of salt (NaCl), (4) The common or official name of each ingredient used in the manufacture of the commercial feed, except as the Department of Agriculture and Conservation may, by regulation, permit the use of a collective term for a group of ingredients, all of which perform the same function, (5) The name and principal address of the person responsible for distributing the commercial feed.

CUSTOM-MIXED AND TOLL-MILLED FEEDS

The term "Custom-mixed feed" means a special commercial feed mixture which is formulated by the manufacturer or processor in accordance with the specific instructions of the final purchaser and contains feed material or materials wholly or partly supplied by such manufacturer or processor.

A custom-mixed feed shall be labeled by numbered invoice. The invoice, which is to accompany delivery and be supplied to the purchaser at the time of delivery, shall bear the following information: (1) name and address of the mixer, (2) name and address of the purchaser, (3) date of sale, (4) brand name and number of pounds of each registered commercial feed used in the mixture, and the name and number of pounds of each other feed ingredient added, and (5) the term "Custom-mixed feed."

The term "Toll-milled feed" is defined by law as a special feed which is processed by the processor (1) from material or materials entirely delivered by the owner thereof or his authorized agent, and (2) in accordance with the specific instructions of such owner, and which is not distributed.

A toll-milled feed shall be labeled with the term, "Toll-milled feed" together with the name and address of the owner thereof.

INSPECTION FEES

There is an inspection fee of 20 cents per ton for commercial mixed feeds and 10 cents per ton for commercial simple feeds for all commercial feeds distributed or imported for use or sale in this State. Any distributor may pay an annual registration fee of \$25.00 for each brand of commercial feed distributed in individual packages of 10 pounds or less, and the distributor of such brands shall not be required to pay the inspection fee on such packages on the brands so registered. Custom-mixed feeds are exempted, if the inspection fee is paid on the commercial feeds which they contain. Toll-milled feeds are exempted.

Importers and distributors are required to file quarterly statements, setting forth the number of net tons of commercial feeds distributed or imported in the State during the preceding calendar quarter.

RULES AND REGULATIONS

The State Department of Agriculture and Conservation is empowered to promulgate and adopt such rules and regulations as may be necessary in order to administer this Act. Limitations on the use of minerals, urea, artificial color, drugs, food additives, etc., will be set forth under these regulations. Copies of the law, and proposed rules and regulations may be obtained from the Division of Entomology and Marketing, Department of Agriculture and Conservation, Honolulu 14, Hawaii.

The law mandates the State Department of Agriculture and Conservation to publish a report of their results of the analyses of official samples of feeds distributed within the State as compared with the analyses guaranteed in the registration and on the label. This bulletin is published in conformance with Section 24-12 of the Hawaii Feed Law of 1959.

It must not be assumed by the consumer that every brand which meets the manufacturer's guarantee is a high-grade feed. The nutritional value of commercial feeds varies with the ingredients. This report is not concerned with the type of nutritive quality of feed.

INSPECTION OF COMMERCIAL FEEDING STUFFS

This bulletin is a summary of analyses of commercial feeds inspected over an 18-month period, July, 1958 through December, 1959. The revised Feed Law requires the report on the analyses to be on a calendar-year instead of a fiscal-year basis. Therefore, the inspection data obtained during the last six months of 1959 have been added to this report. The next report will cover the period January 1 to December 31, 1960.

During the 18-month period, 309 brands of feeds were registered by 23 companies. The various types of feeds and the number of samples taken for each type are indicated in Table 1.

Table 2 is a 10-year tabulation of the number of samples analyzed per year and the number, on a fiscal-year basis, of samples and feed components which failed to meet the manufacturer's guarantee. In addition, there is a compilation for the 1959 calendar year. Thus the data collected during the period January 1 to June 31, 1959, are included in the summary for both the fiscal year 1953-1959 and the calendar year 1959. Five hundred and fifty-seven samples were analyzed during the 1959 fiscal year and 99 samples, which represent 17.8 percent of the total, failed to meet the guarantees for one or more constituents of the feed. This is the highest percentage of failures reported during the past 10 years. The 4.3 percent of samples containing fiber in excess of the guaranteed maximum was an increase over the previous year.

An examination of analytical results according to types of feeds shows that nearly 50 percent of feeds for cattle failed to meet the guarantee in one or more constituents. The difficulty with cattle feeds distributed in this State is partly due to the nature of the ingredients used which make mixing and sampling difficult. Poultry feeds, which were the largest number sampled, compared favorably with the records of past years. Table 3 shows the number of samples which failed to meet the manufacturer's guarantee according to types of feeds.

The number of feeds containing drug additives has been increasing rapidly. The purpose of these additives is to prevent disease or to stimulate growth. The amount required is small and the maximum quantity permissible is limited by Federal law. Three kinds of additives were checked during the latter part of 1959. The results are shown in Table 5. During the coming year additional additives will be tested.

TABLE 1. TYPES OF FEED, NUMBER OF BRANDS, AND NUMBER OF SAMPLES
INSPECTED

Type of Feed	July 1958 to December 1959	
	No. of Brands	No. of Samples
Poultry	188	525
Cattle	45	97
Swine	47	117
Rabbit	13	43
Horse	5	7
Mineral	6	7
Total	309	796

TABLE 2. NUMBER OF SAMPLES* AND COMPONENTS WHICH FAILED TO MEET THE MANUFACTURER'S GUARANTEE**

Year	No. of Samples Analyzed	Samples Failed to Meet Guarantee		Protein Below Guarantee		Fat Below Guarantee		Fiber in Excess of Guarantee		Ash in Excess of Guarantee	
		No.	Percent	No.	Percent	No.	Percent	No.	Percent	No.	Percent
1959***	509	122	24.0	50	9.8	22	4.3	19	3.7	31	6.1
1958-1959	557	99	17.8	37	6.6	18	3.2	24	4.3	20	3.6
1957-1958	607	102	16.8	51	8.3	23	3.5	19	3.1	29	4.8
1956-1957	474	49	10.3	30	6.3	12	2.5	1	0.2	14	3.0
1955-1956	449	77	17.2	46	10.2	16	3.6	5	1.1	18	4.0
1954-1955	627	70	11.2	44	7.0	8	1.3	4	0.6	21	3.3
1953-1954	623	50	8.0	24	13.9	3	0.5	4	0.6	20	3.2
1952-1953	618	103	16.7	79	12.8	7	1.1	7	1.1	22	3.6
1951-1952	569	58	10.2	37	6.5	1	0.2	1	0.2	25	4.4
1950-1951	629	78	12.4	54	8.6	1	0.2	2	0.3	32	5.1
1949-1950	504	54	10.5	32	6.5	1	0.2	5	1.0	18	3.6

* Mineral supplements and drug feeds are not included in this table.

** The total of the individual components (protein, fat, fiber, and ash) is greater than the number of samples not meeting the guarantee. This is because there were instances of single samples failing to meet the guarantee in more than one component.

*** January 1959 to December 1959.

TABLE 3. TYPES OF FEED AND FEED COMPONENTS WHICH FAILED TO MEET THE MANUFACTURER'S
GUARANTEE FROM JULY 1958 TO JUNE 1959

Type of Feed	No. of Samples Analyzed	Samples Failed to Meet Guarantee		Protein Below Guarantee		Fat Below Guarantee		Fiber in Excess of Guarantee		Ash in Excess of Guarantee	
		No.	Percent	No.	Percent	No.	Percent	No.	Percent	No.	Percent
Poultry	368	54	14.7	20	5.4	14	3.8	11	3.0	9	2.4
Cattle	63	29	46.0	11	17.5	2	3.2	11	17.5	5	7.9
Swine	89	13	14.6	4	4.5	2	2.2	2	2.2	5	5.6
Rabbit	31	3	9.7	2	6.4	0	0	0	0	1	3.2
Horse	6	0	0	0	0	0	0	0	0	0	0
Total	557	99		37		18		24		20	

TABLE 4. TABULATION OF COMMERCIAL FEED SAMPLES ANALYZED
FROM JULY 1958 TO DECEMBER 1959

Determinations 0.5 percent or more below manufacturer's guarantee in protein and fat, and 0.5 percent or more in excess of guarantee in crude fiber and ash are indicated by an underline.

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
POULTRY FEEDS					
<u>Albers Milling Company</u> <u>Los Angeles, California</u>					
Albers Broiler Finisher, Medicated	G	18.00	7.00	4.00	7.00
	F	18.79	7.76	3.50	6.87
Albers Broiler Finisher, Medicated	G	19.00	6.00	4.00	7.00
	F	19.60	7.56	3.29	5.42
Albers Broiler Finisher, Medicated	G	19.00	6.00	4.00	7.00
	F	18.97	9.93	3.55	7.02
Albers Broiler Finisher, Medicated	G	20.00	7.00	4.00	8.00
	F	19.69	6.79	3.74	5.65
Albers Broiler Finisher, Medicated	G	19.00	6.00	4.00	7.00
	F	19.63	6.81	3.53	5.89
Albers Broiler Finisher, Medicated	G	19.00	6.00	4.00	7.00
	F	18.97	7.26	3.46	6.64
Albers Broiler Finisher, Medicated	G	20.00	7.00	4.00	8.00
	F	21.50	6.83	3.78	7.99
Albers Broiler Finisher, Medicated	G	20.00	7.00	4.00	3.00
	F	<u>19.26</u>	<u>6.29</u>	3.45	8.07
Albers Broiler Ration, Medicated	G	21.00	5.00	4.00	8.00
	F	21.40	7.72	4.40	7.08
Albers Broiler Ration, Medicated	G	21.00	5.00	4.00	8.00
	F	<u>19.60</u>	6.50	3.95	6.75
Albers Broiler Starter, Medicated	G	24.00	7.00	3.50	7.00
	F	23.65	7.11	3.40	7.02
Albers Broiler Starter, Medicated	G	23.00	6.00	3.50	9.00
	F	23.60	<u>5.16</u>	3.73	7.66
Albers Broiler Starter, Medicated	G	23.00	6.00	3.50	7.00
	F	22.84	7.84	3.41	6.77
Albers Broiler Starter, Medicated	G	23.00	6.00	3.50	7.00
	F	23.01	7.03	3.90	7.32
Albers Broiler Starter, Medicated	G	22.00	6.00	4.00	9.00
	F	22.84	5.75	3.69	8.09
Albers Broiler Starter, Medicated	G	22.00	6.00	4.00	9.00
	F	23.28	5.12	4.34	8.47

*G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Albers Broiler Starter, Medicated	G	22.00	6.00	4.00	9.00
	F	23.10	<u>4.55</u>	3.39	8.42
Albers Broiler Starter, Medicated	G	22.00	6.00	4.00	9.00
	F	23.10	<u>4.16</u>	4.13	8.27
Albers Broiler Starter, Medicated	G	22.00	6.00	4.00	9.00
	F	22.92	<u>4.52</u>	4.37	8.55
Albers Chick Starter, Medicated	G	20.00	4.50	5.00	-
	F	21.76	4.05	4.57	6.25
Albers Chick Starter, Medicated	G	20.00	4.50	5.00	9.00
	F	20.87	5.62	4.84	7.59
Albers Chick Starter, Medicated	G	20.00	4.50	5.00	9.00
	F	<u>19.07</u>	4.67	4.89	7.33
Albers Chick Starter, Medicated	G	20.00	4.50	5.00	9.00
	F	21.57	4.72	4.39	7.62
Albers Chick Starter, Medicated	G	20.00	4.50	5.00	9.00
	F	20.79	4.89	4.85	7.83
Albers Chick Starter Mash, Medicated	G	20.00	4.50	5.00	9.00
	F	<u>19.17</u>	5.09	3.41	8.16
Albers Chick Starter Pakettes, Medicated	G	20.00	4.50	5.00	9.00
	F	<u>13.98</u>	4.56	3.66	8.23
Albers Creep Feed	G	15.00	3.00	12.00	10.00
	F	16.36	4.05	12.29	7.11
Albers Creep Feed	G	15.00	3.00	12.00	10.00
	F	18.23	3.78	10.65	5.16
Albers Crowd	G	20.00	3.50	7.50	7.50
	F	21.57	3.90	6.33	6.94
Albers Crowd	G	20.00	3.50	7.50	7.50
	F	21.66	3.43	6.00	6.57
Albers Crowd	G	20.00	3.50	7.50	7.50
	F	23.02	3.01	6.37	6.82
Albers Crowd	G	20.00	3.50	7.50	7.50
	F	21.75	3.10	7.56	7.25
Albers Crowd	G	20.00	3.50	7.50	7.50
	F	22.57	3.44	6.58	6.48
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	4.50	6.00	12.00
	F	16.72	4.12	5.60	9.53
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	4.50	6.00	12.00
	F	<u>15.06</u>	<u>3.77</u>	5.14	8.38
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	4.50	6.00	12.00
	F	16.90	4.25	4.67	9.71
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	4.00	6.00	12.00
	F	16.11	3.96	5.03	9.23

* G= guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	4.00	6.00	12.00
	F	15.94	4.65	4.55	9.24
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	4.00	6.00	12.00
	F	16.90	4.62	4.57	10.13
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	4.00	6.00	12.00
	F	17.33	5.15	4.71	12.18
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	4.00	6.00	11.00
	F	16.03	3.93	3.69	12.93
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	4.00	6.00	11.00
	F	18.57	4.09	5.02	10.25
Albers Egg Maker 16 with 2% Granite Grit	G	16.00	4.00	6.00	14.00
	F	15.45	3.84	3.46	10.74
Albers Egg Maker 20	G	20.00	4.00	7.00	11.00
	F	13.88	4.05	6.74	6.40
Albers Egg Maker 20	G	20.00	4.00	7.00	11.00
	F	17.62	4.56	5.87	7.52
Albers Egg Maker 20	G	20.00	4.00	7.00	11.00
	F	19.90	3.96	6.32	7.98
Albers Egg Maker 20	G	20.00	4.00	7.00	11.00
	F	21.86	5.13	6.35	11.20
Albers Egg Maker 20	G	20.00	4.00	7.00	11.00
	F	16.95	4.09	3.57	9.81
Albers First-Ade, Medicated	G	22.00	6.00	4.00	8.00
	F	21.06	5.85	3.22	5.93
Albers First-Ade, Medicated	G	22.00	6.00	4.00	8.00
	F	22.22	5.72	3.24	7.27
Albers Fitting Ration	G	14.00	3.50	8.00	10.00
	F	14.31	3.33	9.87	8.77
Albers Fitting Ration 14%	G	14.00	2.50	12.00	10.00
	F	15.28	3.16	10.15	8.66
Albers Hawaiian Cage Laying Ration (with 2% Granite Grit)	G	16.00	3.00	7.00	17.00
	F	16.63	4.32	5.22	11.66
Albers Hawaiian Cage Laying Ration (with 2% Granite Grit)	G	16.00	4.00	6.00	12.00
	F	17.24	4.77	4.73	9.37
Albers Hen Scratch	G	9.00	2.50	4.00	3.00
	F	9.69	2.70	3.88	1.34
Albers Hen Scratch	G	9.00	2.50	4.00	3.00
	F	9.74	3.30	1.90	1.50
Albers Hen Scratch	G	9.00	2.50	4.00	3.00
	F	9.29	3.32	1.77	1.25
Albers Hen Scratch	G	9.00	2.50	4.00	3.00
	F	10.00	3.66	2.29	1.45

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Albers Lab-Mix Broiler	G	20.00	2.00	4.00	11.00
	F	26.88	4.95	1.53	7.84
Albers Lab-Mix Layer	G	42.00	7.00	4.00	30.00
	F	42.12	7.46	4.09	26.78
Albers Lab-Mix Layer	G	42.00	7.00	4.00	30.00
	F	38.30	9.28	4.25	26.37
Albers Lab-Mix Poultry	G	42.00	7.00	4.00	30.00
	F	42.12	8.29	2.73	25.96
Albers Laxive	G	18.00	6.00	8.00	9.00
	F	18.61	7.54	6.50	7.11
Albers Laxive	G	18.00	6.00	8.00	9.00
	F	17.75	8.32	6.86	6.98
Albers Laxive	G	18.00	6.00	8.00	9.00
	F	17.86	6.70	6.71	8.53
Albers Layer 16 with 2% Granite Grit	G	16.00	4.00	6.00	11.00
	F	16.02	3.85	3.48	12.24
Albers Layer 16 with 2% Granite Grit	G	16.00	4.00	6.00	11.00
	F	14.52	4.58	3.33	13.21
Albers Korect, Medicated	G	24.00	5.00	4.50	10.00
	F	24.64	5.33	3.45	7.41
Albers Korect, Medicated	G	24.00	5.00	4.50	10.00
	F	23.14	5.70	4.31	7.44
Albers Korect, Medicated	G	24.00	5.00	4.50	10.00
	F	24.65	4.81	4.30	6.81
Albers Korect, Medicated	G	24.00	5.00	4.50	10.00
	F	24.92	5.37	3.99	7.57
Albers Korect, Medicated	G	24.00	4.50	5.00	10.00
	F	24.00	4.15	3.96	7.86
Albers Korect, Medicated	G	24.00	4.50	5.00	10.00
	F	23.72	4.16	4.30	9.34
Albers Molas-O-Meal with 7½% Molasses	G	16.00	3.50	10.00	13.00
	F	16.09	3.41	5.86	9.45
Albers Molas-O-Meal with 7½% Molasses	G	16.00	3.00	10.00	12.00
	F	15.67	3.39	4.88	7.62
Albers Pigeon Feed	G	12.00	3.00	3.00	3.00
	F	14.03	2.50	2.96	1.82
Albers Pigeon Feed	G	12.00	3.00	3.00	3.00
	F	15.05	2.42	4.03	1.79
Albers Pigeon Feed	G	12.00	3.00	3.00	3.00
	F	12.97	2.51	2.57	1.75
Albers Pigeon Feed	G	12.00	3.00	3.00	3.00
	F	12.83	2.82	2.28	1.74
Albers Poultry Breeder 17	G	17.00	4.00	6.00	12.00
	F	17.26	3.64	3.13	11.87
Albers Poultry Breeder 17 with 2% Granite Grit	G	17.00	4.00	6.00	12.00
	F	18.34	5.38	4.89	10.06

* G = guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Albers Poultry Breeder 17 with 2% Granite Grit	G	17.00	4.00	6.00	12.00
	F	17.39	4.98	5.13	9.23
Albers Poultry Breeder 17 with 2% Granite Grit	G	17.00	4.00	6.00	12.00
	F	17.43	4.78	5.19	10.64
Albers Poultry Breeder 17 with 2% Granite Grit	G	17.00	4.00	6.00	12.00
	F	17.87	4.69	4.77	10.11
Albers Poultry Breeder 17 with 2% Granite Grit	G	17.00	4.00	6.00	12.00
	F	17.17	4.84	5.46	10.49
Albers Poultry Breeder 17 with 2% Granite Grit	G	17.00	4.00	6.00	12.00
	F	<u>15.76</u>	4.81	3.65	<u>14.61</u>
Albers Poultry Wormer, Pakettes	G	20.00	4.00	5.00	11.00
	F	22.01	4.36	3.34	7.94
Albers Pullet Maker	G	17.00	5.00	6.50	11.00
	F	17.96	4.74	4.84	6.95
Albers Pullet Maker	G	17.00	4.00	7.00	10.00
	F	16.62	3.99	4.19	5.92
Albers Pullet Maker, Medicated	G	17.00	4.00	7.00	10.00
	F	16.31	4.10	4.91	7.36
Albers Pullet Maker, Medicated	G	17.00	4.00	7.50	10.50
	F	18.05	3.93	4.96	6.25
Albers Pullet Maker, Medicated	G	17.00	4.00	7.50	10.50
	F	17.06	4.36	3.94	7.59
Albers Pullet Maker with 2% Granite Grit	G	17.00	4.00	7.00	10.00
	F	<u>15.60</u>	4.06	5.43	<u>11.40</u>
Albers Pullet Maker with 2% Granite Grit	G	17.00	4.00	7.00	10.00
	F	13.07	4.83	7.17	<u>10.59</u>
Albers Pullet Maker with 2% Granite Grit	G	17.00	4.00	7.00	10.00
	F	18.23	4.67	6.83	8.07
Albers Pullet Maker with 2% Granite Grit	G	17.00	4.00	6.50	11.00
	F	<u>15.93</u>	5.03	4.22	8.47
Albers Pullet Maker with 2% Granite Grit, Medicated	G	17.00	4.00	7.00	10.00
	F	17.30	4.85	5.34	<u>10.96</u>
Albers Pullet Maker with 50 gram Teiramycine	G	17.00	5.00	6.50	11.00
	F	18.49	<u>4.24</u>	5.42	6.88
Albers Scratch Feed	G	9.00	2.50	4.00	3.00
	F	8.99	3.30	1.79	1.21
Albers Scratch Feed	G	9.00	2.50	4.00	3.00
	F	10.51	3.03	2.06	1.46
Albers Scratch Feed	G	9.00	2.50	4.00	3.00
	F	9.95	2.77	1.86	1.49
Albers Selfade	G	21.00	4.50	5.00	11.00
	F	20.72	5.79	4.19	7.86

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Albers Selfade	G	21.00	4.50	5.00	11.00
	F	21.48	6.42	4.05	7.78
Albers Selfade	G	21.00	4.50	5.00	11.00
	F	21.31	5.39	4.39	7.37
Albers Selfade	G	21.00	4.50	5.00	11.00
	F	21.57	6.14	4.27	7.92
Albers Simirene 20, Medicated	G	20.00	4.00	6.00	10.00
	F	20.13	4.58	6.08	9.83
Albers Simirene 20, Medicated	G	20.00	4.00	5.50	12.00
	F	21.40	5.02	4.35	8.95
Albers Simirene 20, Medicated	G	20.00	4.00	6.00	10.00
	F	20.26	3.52	5.33	9.22
Albers Simirene 20, Medicated	G	20.00	4.00	6.00	10.00
	F	19.70	4.82	5.42	12.05
Albers Trip-L-Duty	G	16.00	4.00	6.00	10.00
	F	14.84	4.25	5.28	7.06
Albers Trip-L-Duty	G	16.00	4.00	6.00	10.00
	F	16.02	4.52	5.19	6.76
Albers Trip-L-Duty	G	16.00	4.00	6.00	10.00
	F	16.02	4.68	5.28	6.76
Albers Trip-L-Duty	G	16.00	3.50	6.00	10.00
	F	16.90	3.60	3.35	8.34
Albers Trip-L-Duty	G	16.00	3.50	6.00	10.00
	F	14.22	4.32	3.92	8.54
Albers Trip-L-Duty	G	16.00	3.50	6.00	10.00
	F	15.14	4.43	4.84	9.33
Albers Turkey Grower	G	21.00	4.00	8.50	11.00
	F	19.78	4.26	7.01	8.49
Albers Turkey Starter	G	26.00	4.50	4.50	10.00
	F	30.00	4.64	3.71	8.41
Devitalized Mixed Screenings	G	12.00	5.00	15.00	10.00
	F	13.60	6.74	15.09	8.38
Progressive Scratch	G	10.00	3.00	3.00	3.00
	F	11.11	3.14	2.41	1.69
Progressive Scratch	G	10.00	3.00	3.00	3.00
	F	10.80	2.31	1.82	2.61
Sho-Glo	G	22.00	4.00	8.00	9.00
	F	21.95	4.83	4.91	7.10
Standard Rolled Barley	G	9.00	2.00	7.00	4.00
	F	10.89	2.53	4.13	2.51

* G = guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>British Columbia Packers, Ltd.</u>					
<u>Vancouver, Canada</u>					
Fish Meal Herring	G	70.00	5.00	1.00	12.00
	F	70.56	9.26	0.34	10.48
Fish Meal Herring	G	70.00	5.00	-	-
	F	75.26	6.25	-	-
<u>California Milling Corporation</u>					
<u>Los Angeles, California</u>					
Ace-Hi All Age Mash	G	17.00	3.50	6.00	10.00
	F	17.03	4.82	4.84	8.57
Ace-Hi All Age Mash	G	17.00	3.50	6.00	10.00
	F	17.96	3.38	5.43	8.83
Ace-Hi All Age Mash	G	17.00	3.50	6.00	10.00
	F	16.11	4.41	4.00	6.36
Ace-Hi All Age Mash	G	17.00	3.50	6.00	10.00
	F	17.06	4.07	4.17	7.25
Ace-Hi All Age Mash	G	17.00	3.50	6.00	10.00
	F	16.80	4.51	4.49	7.36
Ace-Hi All Age Mash	G	17.00	3.50	6.00	10.00
	F	17.08	4.06	4.94	11.59
Ace-Hi All Purpose Mash	G	16.00	3.50	6.00	10.00
	F	16.45	3.59	6.35	9.70
Ace-Hi All Purpose Mash	G	16.00	3.50	6.00	10.00
	F	16.64	3.75	6.30	8.28
Ace-Hi All Purpose Mash	G	16.00	3.50	6.00	10.00
	F	16.44	4.78	5.65	10.53
Ace-Hi All Purpose Mash	G	16.00	3.50	6.00	10.00
	F	16.46	4.02	6.63	13.77
Ace-Hi Baby Chick Scratch, Gritless	G	10.00	2.50	3.00	3.00
	F	10.65	2.57	1.73	1.42
Ace-Hi Baby Chick Scratch, Gritless	G	10.00	2.50	3.00	3.00
	F	10.09	2.49	1.74	1.19
Ace-Hi Baby Chick Scratch, Gritless	G	10.00	2.50	3.00	3.00
	F	10.80	2.42	1.60	1.42
Ace-Hi Big Egg Kracketts with 3% Oyster Shell	G	16.00	3.00	6.00	10.00
	F	16.09	4.71	6.43	8.33
Ace-Hi Big Egg Kracketts with 3% Oyster Shell	G	16.00	3.00	6.00	10.00
	F	16.32	4.48	7.30	8.47
Ace-Hi Big Egg Kracketts with 3% Oyster Shell	G	16.00	3.00	6.00	10.00
	F	17.70	4.71	6.20	3.92

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Ace-Hi Big Feeder Kracketts with 3% Oyster Shell	G	16.00	3.00	6.00	10.00
	F	15.81	5.43	4.40	8.21
Ace-Hi Big Feeder Kracketts with 3% Oyster Shell	G	16.00	3.00	6.00	10.00
	F	17.68	4.67	4.60	8.16
Ace-Hi Broiler & Fryer Mash	G	20.00	3.50	6.00	9.00
	F	20.59	4.95	3.73	5.48
Ace-Hi Broiler & Fryer Mash	G	20.00	3.50	6.00	9.00
	F	19.90	5.32	4.25	6.25
Ace-Hi Broiler & Fryer Mash	G	20.00	3.50	6.00	9.00
	F	19.90	5.13	3.83	6.54
Ace-Hi Broiler & Fryer Mash with Ace-Hi's Sulfaquinoxaline Mixture	G	20.00	3.50	6.00	9.00
	F	19.68	5.16	3.62	5.15
Ace-Hi Broiler & Fryer Mash with Ace-Hi's Sulfaquinoxaline Mixture	G	20.00	3.50	6.00	9.00
	F	<u>19.11</u>	6.22	4.95	6.24
Ace-Hi Broiler & Fryer Mash with Ace-Hi's Sulfaquinoxaline Mixture	G	20.00	3.50	6.00	9.00
	F	20.44	6.03	4.09	6.42
Ace-Hi Broiler & Fryer Mash with Ace-Hi's Sulfaquinoxaline Mixture	G	20.00	3.50	6.00	9.00
	F	20.98	6.04	5.19	7.32
Ace-Hi Cage Lay Mash with 2% Grit and 2% Oyster Shell	G	18.00	3.00	6.00	12.00
	F	13.75	3.46	5.74	8.61
Ace-Hi Cage Lay Mash with 2% Grit and 2% Oyster Shell	G	18.00	3.00	6.00	10.00
	F	13.84	4.45	4.72	9.96
Ace-Hi Cage Lay Mash with 2% Grit and 2% Oyster Shell	G	18.00	3.00	6.00	12.00
	F	19.37	4.00	4.94	8.56
Ace-Hi Cage Lay Mash with 2% Grit and 2% Oyster Shell	G	13.00	3.00	6.00	12.00
	F	17.36	4.38	4.87	8.58
Ace-Hi Cage Lay Mash with 2% Grit and 2% Oyster Shell	G	13.00	3.00	6.00	10.00
	F	<u>17.42</u>	4.04	5.31	9.26
Ace-Hi Cage Lay Mash with 2% Grit and 2% Oyster Shell	G	18.00	3.00	6.00	10.00
	F	18.41	4.29	6.01	<u>13.32</u>
Ace-Hi 300 G Kracketts	G	22.00	3.50	6.00	12.00
	F	22.93	5.01	4.74	8.16
Ace-Hi 300 G Kracketts	G	22.00	3.50	6.00	12.00
	F	22.26	5.76	5.77	8.03
Ace-Hi 300 G Kracketts	G	22.00	3.50	6.00	12.00
	F	21.86	6.93	4.27	7.68
Ace-Hi 300 G Kracketts	G	22.00	3.50	6.00	12.00
	F	22.30	6.70	4.52	9.65
Ace-Hi 300 G Kracketts, Mixture with Ace-Hi's Chlortetracycline, Furazolidone & Oxytetracycline Mixture	G	22.00	3.50	6.00	12.00
	F	<u>21.44</u>	5.48	<u>6.58</u>	8.22

* G = guarantee; F - found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Ace-Hi 300 G Kracketts, Mixture with Ace-Hi's Chlortetracycline, Furazolidone & Oxytetracycline Mixture	G	22.00	3.50	6.00	12.00
	F	22.04	7.69	4.65	7.45
Ace-Hi Laying Mash	G	20.00	3.50	6.00	10.00
	F	19.96	4.06	5.88	7.71
Ace-Hi Laying Mash	G	20.00	3.50	6.00	10.00
	F	20.43	4.44	5.88	7.93
Ace-Hi Laying Mash	G	20.00	3.50	6.00	10.00
	F	19.37	4.50	5.00	7.67
Ace-Hi Laying Mash	G	20.00	3.50	6.00	10.00
	F	19.74	5.43	4.34	10.59
Ace-Hi Pigeon Feed	G	11.00	2.00	4.00	3.00
	F	13.91	2.61	3.12	1.66
Ace-Hi Pigeon Feed	G	11.00	2.00	4.00	3.00
	F	14.00	2.13	3.20	2.00
Ace-Hi Pigeon Feed	G	11.00	2.00	4.00	3.00
	F	13.15	2.40	3.04	1.89
Ace-Hi Pigeon Feed	G	11.00	2.00	4.00	3.00
	F	12.92	2.38	2.59	1.71
Ace-Hi Poultry Wormer Mash, Medicated for Layers, Broilers and Turkeys	G	22.00	3.50	6.00	12.00
	F	23.90	4.73	4.48	5.80
Ace-Hi Primer Kracketts	G	16.00	3.00	5.00	8.00
	F	16.36	4.74	4.25	5.57
Ace-Hi Primer Kracketts	G	16.00	3.50	5.00	8.00
	F	16.61	5.44	4.17	5.88
Ace-Hi Primer Kracketts	G	16.00	3.50	5.00	8.00
	F	16.97	6.09	4.78	5.84
Ace-Hi Primer Kracketts	G	16.00	3.50	5.00	8.00
	F	17.77	5.61	5.01	5.70
Ace-Hi Primer Kracketts	G	16.00	3.50	5.00	8.00
	F	16.91	4.42	4.73	6.71
Ace-Hi Pullet Growing Kracketts	G	17.00	4.00	6.00	9.00
	F	17.80	4.32	6.26	7.37
Ace-Hi Pullet Growing Kracketts	G	17.00	4.00	6.00	9.00
	F	18.49	4.28	6.22	7.64
Ace-Hi Pullet Growing Kracketts	G	17.00	4.00	6.00	9.00
	F	18.23	3.99	6.69	7.46
Ace-Hi Pullet Growing Kracketts	G	17.00	4.00	6.00	9.00
	F	17.87	4.08	4.50	7.10
Ace-Hi Pullet Growing Kracketts	G	17.00	4.00	6.00	9.00
	F	17.77	5.70	5.69	7.33

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Ace-Hi Pullet Growing Kracketts	G	17.00	4.00	6.00	9.00
	F	18.23	5.60	4.85	9.95
Ace-Hi Pullet Growing Mash (A Complete Feed)	G	17.00	4.00	6.00	9.00
	F	18.13	4.54	5.32	7.98
Ace-Hi Pullet Growing Mash (A Complete Feed)	G	17.00	4.00	6.00	9.00
	F	18.13	4.13	5.82	7.85
Ace-Hi Pullet Starter	G	21.00	5.00	5.00	9.00
	F	21.15	6.65	4.30	7.26
Ace-Hi Pullet Starter Kracketts with Gallomycin	G	21.00	5.00	5.00	9.00
	F	22.01	5.55	4.55	6.85
Ace-Hi Pullet Starter Mash	G	21.00	5.00	5.00	9.00
	F	22.03	5.23	5.22	7.09
Ace-Hi Pullet Starter Mash	G	21.00	5.00	5.00	9.00
	F	21.92	6.23	5.00	6.84
Ace-Hi Pullet Starter Mash	G	21.00	5.00	5.00	9.00
	F	23.07	5.44	4.92	7.61
Ace-Hi Pullet Starter Mash	G	21.00	5.00	5.00	9.00
	F	22.28	5.17	4.96	6.98
Ace-Hi Pullet Starter Mash	G	21.00	5.00	5.00	9.00
	F	22.30	5.78	4.51	7.12
Ace-Hi Pullet Starter Mash	G	21.00	5.00	5.00	9.00
	F	21.77	4.64	4.98	8.02
Ace-Hi 50-50 Scratch Feed	G	10.00	2.50	3.00	3.00
	F	10.43	2.20	2.13	1.41
Ace-Hi 50-50 Scratch Feed	G	10.00	2.50	3.00	3.00
	F	12.80	2.44	1.91	1.35
Ace-Hi 50-50 Scratch Feed	G	10.00	2.50	3.00	3.00
	F	10.48	2.34	1.92	1.40
Ace-Hi 50-50 Scratch Feed	G	10.00	2.50	3.00	3.00
	F	10.75	2.53	1.67	1.00
Ace-Hi 50-50 Scratch Feed	G	10.00	2.50	3.00	3.00
	F	9.24	2.72	1.51	1.13
Ace-Hi 50-50 Scratch Feed	G	10.00	2.50	3.00	3.00
	F	10.71	2.52	1.85	1.66
Ace-Hi Sulfaquinoxaline Mix, Ace-Hi Quik Gro Mash	G	23.00	5.00	4.00	9.00
	F	24.03	9.49	3.70	6.03
Ace-Hi Sulfaquinoxaline Mix, Ace-Hi Quik Gro Mash	G	23.00	5.00	4.00	9.00
	F	23.33	7.32	3.37	6.05
Ace-Hi Sulfaquinoxaline Mix, Ace-Hi Quik Gro Mash	G	23.00	5.00	4.00	9.00
	F	23.38	7.29	3.26	6.59
Ace-Hi Sulfaquinoxaline Mix, Ace-Hi Quik Gro Mash	G	23.00	5.00	4.00	9.00
	F	21.96	7.30	3.04	5.73

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Ace-Hi Sulfaquinoxaline Mix,	G	23.00	5.00	4.00	9.00
Ace-Hi Quik Gro Mash	F	23.64	6.90	3.10	5.93
Ace-Hi Sulfaquinoxaline Mix,	G	23.00	5.00	4.00	9.00
Ace-Hi Quik Gro Mash	F	<u>22.32</u>	7.83	3.33	6.35
Ace-Hi Vitatone Conditioner Kracketts	G	20.00	3.50	7.00	11.00
(for Poultry and Turkeys)	F	20.23	4.91	5.91	10.22
Ace-Hi Vitatone Conditioner Kracketts	G	20.00	3.50	7.00	11.00
(for Poultry and Turkeys)	F	19.81	5.40	5.54	9.27
Ace-Hi Vitatone Conditioner Kracketts	G	20.00	3.50	7.00	11.00
(for Poultry and Turkeys)	F	20.60	4.84	5.45	9.68
Ace-Hi Vitatone Conditioner Kracketts	G	20.00	3.50	7.00	11.00
(for Poultry and Turkeys)	F	20.35	5.07	4.53	9.60
Ace-Hi Vitatone Conditioner Kracketts	G	20.00	3.50	7.00	11.00
(for Poultry and Turkeys)	F	19.87	8.03	4.38	9.01
Ace-Hi Vitatone Conditioner Kracketts	G	20.00	3.50	7.00	11.00
(for Poultry and Turkeys)	F	20.45	6.20	5.00	10.29
Big Feeder Kracketts with 3%	G	16.00	3.00	6.00	10.00
Oyster Shell	F	16.71	4.80	4.28	8.30
Big Feeder Kracketts with 3%	G	16.00	3.00	6.00	10.00
Oyster Shell	F	17.26	4.51	5.13	<u>12.21</u>
Cracked Corn	G	9.50	3.50	3.00	2.00
	F	<u>8.63</u>	3.03	1.33	0.39
<u>Dairymen's Association, Ltd.</u>					
<u>Honolulu, Hawaii</u>					
Cage Egg Mash with Oyster Shell	G	15.00	3.00	9.00	10.00
and Grit	F	16.90	3.97	6.24	8.77
Cage Egg Mash with Oyster Shell	G	15.00	3.00	9.00	10.00
and Grit	F	18.31	3.64	6.17	9.27
Cage Egg Mash with Oyster Shell	G	15.00	3.00	9.00	10.00
and Grit	F	17.50	3.15	6.69	7.26
<u>Fisher Flouring Mills Company</u>					
<u>Seattle, Washington</u>					
Fisher's All-Age Krumbles, A Complete	G	17.00	3.50	7.00	8.00
Poultry Feed	F	18.34	4.02	6.66	6.55
Fisher's All-Age Krumbles, A Complete	G	17.00	3.50	7.00	8.00
Poultry Feed	F	17.98	3.91	5.71	6.15
Fisher's All-Age Krumbles, A Complete	G	17.00	3.50	7.00	8.00
Poultry Feed	F	17.87	4.96	6.62	6.15
Fisher's All-Age Krumbles, A Complete	G	17.00	3.50	7.00	8.00
Poultry Feed	F	18.58	4.02	6.23	6.52
Fisher's All-Age Krumbles, A Complete	G	17.00	3.50	7.00	3.00
Poultry Feed	F	18.84	4.48	6.13	7.12

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Fisher's All-Age Krumbles, A Complete Poultry Feed	G	17.00	3.50	7.00	8.00
	F	17.33	4.52	6.38	7.16
Fisher's Broiler Finisher, Krumbles, Medicated	G	16.00	5.50	4.00	7.00
	F	16.29	<u>4.75</u>	3.59	5.28
Fisher's Broiler Finisher, Krumbles, Medicated	G	16.00	5.50	4.00	7.00
	F	17.47	<u>4.47</u>	3.44	5.11
Fisher's Broiler Finisher, Krumbles, Medicated	G	16.00	5.50	4.00	7.00
	F	16.26	<u>4.60</u>	3.24	5.56
Fisher's Broiler Finisher, Krumbles, Medicated	G	16.00	5.50	4.00	7.00
	F	16.45	5.07	3.11	6.00
Fisher's Chick Starter Mash, Medicated	G	18.00	3.50	7.00	9.00
	F	19.55	3.33	6.71	6.45
Fisher's Commercial Broiler & Starter, Krumbles (Medicated)	G	21.00	5.50	3.50	9.00
	F	20.59	5.24	3.51	5.70
Fisher's Commercial Broiler & Starter, Krumbles (Medicated)	G	21.00	5.50	3.50	9.00
	F	21.13	5.57	3.17	6.19
Fisher's Commercial Broiler & Starter, Krumbles (Medicated)	G	21.00	5.50	3.50	9.00
	F	21.30	5.25	3.89	6.25
Fisher's Commercial Broiler & Starter, Krumbles (Medicated)	G	21.00	5.50	3.50	9.00
	F	21.15	5.06	3.22	6.43
Fisher's Commercial Broiler & Starter, Krumbles (Medicated)	G	21.00	5.50	3.50	9.00
	F	21.33	5.21	3.02	6.42
Fisher's Developer Complete Krumbles (Medicated)	G	15.50	3.50	5.00	6.50
	F	16.18	3.86	5.00	6.30
Fisher's Developer Complete Krumbles (Medicated)	G	15.50	3.50	5.00	6.50
	F	16.82	3.86	<u>5.72</u>	5.86
Fisher's Developer Complete Krumbles (Medicated)	G	15.50	3.50	5.00	6.50
	F	15.67	4.17	5.01	6.29
Fisher's Developer Complete Krumbles (Medicated)	G	15.50	3.50	5.00	6.50
	F	16.26	3.34	5.37	6.49
Fisher's Developer Complete Krumbles (Medicated)	G	15.00	3.50	8.50	9.00
	F	<u>14.40</u>	4.19	6.08	5.95
Fisher's Developer Complete Krumbles (Medicated)	G	15.00	3.50	8.50	9.00
	F	15.75	4.47	7.47	7.33
Fisher's Developing Krumbles, Medicated	G	16.00	3.50	8.00	9.00
	F	15.94	4.12	6.93	5.91
Fisher's Egg Producer	G	20.00	3.50	8.00	10.00
	F	21.31	4.34	6.15	7.59
Fisher's Egg Producer	G	20.00	3.50	8.00	10.00
	F	20.11	4.69	6.44	7.87
Fisher's Egg Producer Complete Krumbles High Energy	G	17.00	4.00	7.00	8.00
	F	20.34	4.22	7.13	7.09

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Fisher's Laymore Complete Krumbles	G	17.00	4.00	6.00	8.00
	F	17.08	4.19	5.49	6.56
Fisher's Laymore Complete Krumbles	G	17.00	4.00	6.00	8.00
	F	17.79	5.20	5.66	6.65
Fisher's Laymore Complete Krumbles	G	17.00	4.00	6.00	8.00
	F	17.17	4.54	5.46	6.59
Fisher's Laymore Complete Krumbles	G	17.00	4.00	6.00	8.00
	F	18.49	4.44	4.99	6.32
Fisher's Laymore Complete Krumbles	G	17.00	4.00	6.00	8.00
	F	17.77	4.25	5.08	6.38
Fisher's Laymore Complete Krumbles	G	17.00	4.00	6.00	8.00
	F	17.95	4.05	4.86	6.81
Fisher's Laymore Complete Krumbles	G	17.00	3.50	6.00	11.00
	F	<u>16.00</u>	4.03	4.55	7.92
Fisher's Medicated Booster Krumbles	G	16.00	3.00	8.00	9.00
	F	17.52	4.35	5.50	5.89
Fisher's Medicated Booster Krumbles	G	16.00	3.00	8.00	9.00
	F	17.86	4.00	5.65	6.65
Fisher's Medicated Booster Krumbles	G	16.00	3.00	8.00	9.00
	F	17.42	4.13	5.20	6.76
Fisher's Medicated Booster Krumbles	G	16.00	3.00	8.00	9.00
	F	16.71	5.25	4.90	7.20
Fisher's Savetime Chick Krumbles, Medicated	G	18.00	3.50	7.00	8.00
	F	19.06	4.18	5.41	6.90
Fisher's Savetime Chick Krumbles, Medicated	G	18.00	3.50	7.00	8.00
	F	20.25	4.42	5.85	6.37
Fisher's Savetime Chick Krumbles, Medicated	G	18.00	3.50	7.00	8.00
	F	19.73	4.04	6.06	6.91
Fisher's Savetime Chick Krumbles, Medicated	G	18.00	3.50	7.00	8.00
	F	18.85	4.44	5.79	7.23
Fisher's Scratch Pellets	G	12.00	3.50	3.50	5.00
	F	13.03	3.96	3.62	3.45
Fisher's Scratch Pellets	G	12.00	3.50	3.50	5.00
	F	13.21	3.55	2.89	3.80
Fisher's Scratch Pellets	G	12.00	3.50	3.50	5.00
	F	12.80	3.61	3.64	3.72
Fisher's Scratch Pellets	G	12.00	3.50	3.50	5.00
	F	12.44	3.57	3.44	4.72
Fisher's Terra-Medicated Krumbles High Level Antibiotic Mix	G	20.00	3.50	8.00	10.00
	F	<u>18.31</u>	4.41	5.53	6.41

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Fisher's Two Way Scratch	G	10.00	2.00	3.00	2.50
	F	9.35	2.84	1.87	1.36
Fisher's Two Way Scratch	G	10.00	2.00	3.00	2.50
	F	9.55	2.97	1.86	1.33
Fisher's Two Way Scratch	G	10.00	2.00	3.00	2.50
	F	10.65	2.91	2.11	1.42
Fisher's Two Way Scratch	G	10.00	2.00	3.00	2.50
	F	11.97	2.27	2.64	0.72
Fisher's Two Way Scratch	G	10.00	2.00	3.00	2.50
	F	10.21	3.45	2.24	1.40
Fisher's Two Way Scratch	G	10.00	2.00	3.00	2.50
	F	10.49	2.70	2.17	1.39
Fisher's Wheat Mixed Feed	G	15.00	4.00	9.50	6.00
	F	16.09	5.12	8.27	4.58
Fisher's Wheat Red Dog	G	15.00	4.00	4.00	4.00
	F	16.37	4.60	4.16	3.08
<u>Foremost Feed Company</u>					
<u>Honolulu, Hawaii</u>					
Foremost Cage Grower Ration with 3% Granite Grit	G	15.00	3.00	8.00	9.50
	F	16.90	3.98	8.26	8.54
Foremost Cage Grower Ration with 3% Granite Grit	G	15.00	3.00	8.00	9.50
	F	14.73	4.10	7.37	8.30
<u>General Mills, Inc.</u>					
<u>Honolulu, Hawaii</u>					
Cracked Corn	G	9.00	3.00	2.00	2.00
	F	9.03	3.62	1.49	1.24
Larro All Purpose Poultry Wormer	G	16.00	2.50	4.50	12.50
	F	16.26	3.70	4.12	7.31
Larro Medicated Poultry Surelift	G	27.50	5.50	3.00	7.00
	F	27.60	6.58	3.08	6.21
Larro Medicated Poultry Surelift	G	27.50	5.50	3.00	7.00
	F	29.06	5.69	3.20	6.81
Larro Medicated Poultry Surelift	G	27.50	5.50	3.50	7.00
	F	27.47	5.91	3.14	6.19
Larro Medicated Poultry Surelift	G	27.50	5.50	3.00	7.00
	F	27.44	6.26	2.97	6.51
Larro Medicated Poultry Surelift	G	27.50	5.50	3.50	7.00
	F	28.26	5.91	2.74	6.11
Larro Medicated Poultry Surelift	G	27.50	5.50	3.50	7.00
	F	30.10	5.61	2.61	6.79

* G = guarantee; F= found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Larro Medicated Surestart (AGS)	G	19.00	4.00	2.50	-
	F	20.18	4.87	1.80	5.78
Larro Scratch Grains	G	9.50	2.00	4.00	2.00
	F	10.34	3.63	2.13	1.57
Larro Scratch Grains	G	9.50	2.00	4.00	2.00
	F	10.74	3.89	2.00	1.14
Larro Scratch Grains	G	9.50	2.00	4.00	2.00
	F	10.03	2.74	2.16	1.54
Larro Scratch Grains	G	9.50	2.00	4.00	2.00
	F	9.68	3.13	2.06	1.24
Larro Scratch Grains	G	9.50	2.00	4.00	2.00
	F	9.95	2.83	2.16	1.40
Larro Scratch Grains	G	9.50	2.00	4.00	2.00
	F	9.86	3.07	3.05	1.46
Larro Scratch Grains	G	9.50	2.00	4.00	2.00
	F	10.13	3.88	1.89	1.35
Larro Scratch Grains	G	9.50	2.00	4.00	2.00
	F	11.06	2.78	1.82	1.35
Larro Sureall	G	16.00	4.00	7.50	10.00
	F	16.36	4.56	5.32	9.58
Larro Sureall	G	16.00	4.50	7.50	10.00
	F	18.40	4.77	6.90	7.36
Larro Sureall	G	16.00	4.50	7.50	10.00
	F	16.73	4.28	6.43	7.75
Larro Sureall	G	16.00	4.50	7.50	10.00
	F	16.20	4.38	4.90	7.60
Larro Sureall	G	16.00	4.50	7.50	10.00
	F	17.24	4.42	5.85	7.96
Larro Sureall	G	16.00	4.50	7.50	10.00
	F	17.15	4.36	6.17	7.72
Larro Sureall	G	16.00	4.50	7.50	10.00
	F	16.91	4.18	5.85	9.71
Larro Surebroiler Complete (GC-AGS) Medicated	G	20.00	5.50	4.00	6.00
	F	20.94	6.21	4.22	5.61
Larro Surebroiler Complete (NCB-AGS) Medicated	G	20.00	5.50	4.50	6.00
	F	22.22	6.01	4.15	5.41
Larro Surebroiler Finisher 20-N (GC) Medicated	G	20.00	5.00	2.50	6.00
	F	21.59	6.53	2.51	5.54
Larro Surebroiler Finisher 20-N (GC) Medicated	G	20.00	5.00	2.50	6.00
	F	21.60	6.00	2.58	5.70

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Larro Surebroiler Finisher 23	G	23.00	8.50	3.00	6.00
(GC-AGS) Medicated	F	23.37	9.27	2.99	6.32
Larro Surebroiler Finisher 23	G	23.00	8.50	3.00	6.00
(GC-AGS) Medicated	F	24.18	9.78	3.15	5.79
Larro Surebroiler Finisher 23	G	23.00	8.50	3.25	6.00
(GC-AGS) Medicated	F	24.83	9.63	3.25	6.30
Larro Surebroiler Finisher 23	G	23.00	8.50	3.25	6.00
(GC-AGS) Medicated	F	24.39	10.18	2.76	5.05
Larro Surebroiler Finisher	G	20.00	3.00	3.00	6.00
(NCB-AGS) Medicated	F	20.25	3.43	2.90	5.63
Larro Surebroiler Finisher	G	20.00	3.00	3.00	6.00
(NCB-AGS) Medicated	F	22.46	4.43	3.59	4.96
Larro Surebroiler Finisher	G	20.00	3.00	3.00	6.00
(NCB-AGS) Medicated	F	20.70	4.05	3.38	5.23
Larro Surebroiler Finisher	G	20.00	3.00	3.00	6.00
(NCB-AGS) Medicated	F	20.97	3.12	2.56	4.76
Larro Surebroiler Starter 26	G	26.00	9.50	2.75	6.00
(GC-AGS) Medicated	F	27.52	9.94	2.10	<u>6.89</u>
Larro Surebroiler Starter 26	G	26.00	9.50	2.75	6.00
(GC-AGS) Medicated	F	25.71	9.34	2.72	6.21
Larro Surebroiler Starter 26	G	26.00	9.50	2.75	6.00
(GC-AGS) Medicated	F	26.24	11.21	2.43	6.02
Larro Surebroiler Starter 26	G	26.00	6.50	2.50	6.00
(GC-AGS) Medicated	F	25.84	7.41	2.39	5.65
Larro Surebroiler Starter	G	23.50	3.00	3.00	6.00
(NCB-AGS) Medicated	F	23.33	4.28	<u>3.61</u>	6.44
Larro Surebroiler Starter	G	23.50	3.00	3.00	6.00
(NCB-AGS) Medicated	F	24.04	4.27	2.55	5.63
Larro Surebroiler Starter	G	23.50	3.00	3.00	6.00
(NCB-AGS) Medicated	F	23.72	4.70	3.42	<u>7.02</u>
Larro Surebroiler Starter	G	23.50	3.00	3.00	6.00
(NCB-AGS) Medicated	F	24.70	3.87	2.52	<u>7.50</u>
Larro Surechick (GC-AGS)	G	20.00	3.00	4.50	9.00
Medicated	F	22.20	3.15	4.18	7.58
Larro Surechick (GC-AGS)	G	20.00	3.00	5.00	9.00
Medicated	F	20.43	2.74	3.80	5.89
Larro Surechick (NCB-AGS)	G	20.00	2.50	5.00	9.00
Medicated	F	20.35	3.58	4.20	6.42
Larro Surechick (NCB-AGS)	G	20.00	3.00	5.00	9.00
Medicated	F	<u>18.44</u>	3.40	3.63	6.92

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Larro Surechick (NCB-AGS)	G	20.00	3.00	5.00	9.00
Medicated	F	21.24	3.98	3.43	6.91
Larro Surechick (NCB-AGS)	G	20.00	2.50	5.00	9.00
Medicated	F	19.06	3.20	3.67	6.61
Larro Surechick (NCB-AGS)	G	20.00	2.50	5.00	9.00
Medicated	F	20.58	2.58	4.01	7.33
Larro Suregrow Complete (GC)	G	16.00	3.00	5.50	9.00
Medicated	F	17.62	3.88	5.31	6.69
Larro Suregrow Complete (GC)	G	16.00	3.00	5.50	9.00
Medicated	F	16.86	3.77	5.44	4.41
Larro Suregrow Complete (NCB)	G	16.00	2.50	6.00	9.00
Medicated	F	15.99	4.35	4.83	4.76
Larro Suregrow Complete (NCB)	G	16.00	4.50	6.00	9.00
Medicated	F	16.26	4.49	4.56	5.50
Larro Suregrow Complete (NCB)	G	16.00	2.50	6.00	9.00
Medicated	F	15.73	3.97	4.37	5.61
Larro Suregrow Complete (NCB)	G	16.00	2.50	6.00	9.00
Medicated	F	16.49	3.92	4.16	6.86
Larro Surelay Cage 16% with 2% Granite Grits	G	16.00	4.00	6.00	11.00
	F	17.87	4.86	6.26	9.35
Larro Surelay Cage 16% with 2% Granite Grits	G	16.00	4.00	6.00	11.00
	F	17.34	4.45	5.97	10.32
Larro Surelay Cage 16% with 2% Granite Grits	G	16.00	4.00	7.00	11.00
	F	17.24	4.07	5.82	8.62
Larro Surelay "H. E."	G	20.00	3.00	6.00	10.50
	F	20.94	4.11	5.49	8.38
Larro Surelay "H. E." (0.0055 FRZ)	G	20.00	3.00	6.00	10.00
Medicated	F	20.07	3.68	5.29	6.98
Larro Surelay "H. E." (0.0055 FRZ)	G	20.00	3.00	7.00	10.50
Medicated	F	16.71	3.67	4.34	7.96
Larro Surelay Complete "H. E."	G	16.00	2.50	4.00	12.50
	F	16.72	3.57	3.48	9.38
Larro Surelay Complete "H. E." (0.00275 FRZ) Medicated	G	16.00	4.00	5.00	12.50
	F	16.99	4.09	4.29	8.95
Larro Surelay Complete "H. E." (0.00275 FRZ) Medicated	G	16.00	4.00	5.00	12.50
	F	18.05	4.78	4.15	8.32
Larro Surelay Complete "H. E." (0.00275 FRZ) Medicated	G	16.00	4.00	5.00	12.50
	F	16.64	3.99	4.20	8.99
Larro Surelay Complete "H. E." (0.00275 FRZ) Medicated	G	16.00	2.50	5.00	12.50
	F	17.34	3.32	4.32	6.46

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Larro Surelay Complete "H. E."	G	16.00	2.50	5.00	12.50
(0.00275 FRZ) Medicated	F	18.39	3.66	5.02	11.01
Larro Surelay Complete "H. E."	G	16.00	4.00	5.00	12.50
(0.00275 FRZ) Medicated	F	16.31	4.20	4.33	8.93
Larro Surelay Complete "H. E."	G	16.00	4.00	5.00	12.50
(0.00275 FRZ) Medicated	F	15.42	3.84	3.52	7.00
Larro Surelay Complete "H. E."	G	16.00	2.50	5.00	12.50
(0.00275 FRZ) Medicated	F	16.00	3.54	4.23	7.42
Larro Surelay Complete "H. E."	G	16.00	4.00	5.00	12.50
(0.00275 FRZ) Medicated	F	17.52	4.47	3.19	11.13
Larro Surelay Complete "H. E."	G	16.00	4.00	5.00	12.00
(0.00275 FRZ) Medicated, with 2% Granite Grits	F	16.44	4.32	4.12	9.01
Larro Surelay Complete "H. E."	G	16.00	4.00	5.00	12.50
(0.00275 FRZ) Medicated, with 2% Granite Grits	F	17.33	3.81	3.33	10.20
Larro Surelay Complete "H. E."	G	16.00	4.00	5.00	12.50
(0.00275 FRZ) Medicated, with 2% Granite Grits	F	16.29	3.48	3.42	9.09
Larro Surepigeon	G	14.00	2.00	3.50	2.00
	F	15.28	1.92	3.11	2.25
Larro Surepigeon	G	14.00	2.00	3.50	2.00
	F	14.26	2.33	3.62	1.96
Larro Surepigeon	G	14.00	2.00	3.50	2.00
	F	17.08	2.31	3.00	1.86
Larro Surepigeon	G	14.00	2.00	3.50	2.00
	F	15.14	2.26	3.22	2.27
Larro Surepigeon	G	14.00	2.00	3.50	2.00
	F	14.39	2.21	3.05	1.82
Larro Surepigeon	G	14.00	2.00	3.50	2.00
	F	13.77	2.20	2.90	1.81
Larro Surepigeon	G	14.00	2.00	3.50	2.00
	F	13.72	2.58	3.02	2.13
Larro Surepoult	G	24.00	3.00	6.00	10.50
	F	23.72	3.47	5.88	7.10
Larro Sureturk Grower Complete 18	G	18.00	3.00	5.50	7.50
	F	18.75	4.04	3.46	7.02
Standard Rolled Barley	G	9.00	2.00	7.00	3.00
	F	10.27	3.09	4.78	2.34
Wheat Mixed Feed with Ground Grain Screenings Not to Exceed Run of Mill (And in No Case to Exceed 8%)	G	13.00	3.00	8.50	6.00
	F	16.35	4.74	7.82	4.83

* G = guarantee; F= found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>Hawaiian Grain Corporation</u> <u>Honolulu, Hawaii</u>					
Expeller Soybean Oil Meal	G	41.00	4.00	7.00	7.00
	F	44.04	5.24	5.65	6.17
<u>Jairamiah Investment Company</u> <u>Route 5, P. O. Box 100</u> <u>Stockton, California</u>					
Jairamiah Bulk Feed (Campus Mix)	G	-	-	-	-
	F	11.91	4.38	14.62	7.39
<u>North Shore Packing Co., Ltd.</u> <u>Vancouver, B. C.</u>					
Fish Meal	G	-	-	-	-
	F	73.16	9.36	-	10.41
<u>Philippine Refining Company, Inc.</u> <u>(Manila) Philippines</u>					
Phil Reco Brand 20% Protein Copra Oil Meal Pellets	G	20.00	5.50	12.00	8.00
	F	21.36	5.99	13.42	6.86
<u>Pillsbury Mill, Inc.</u> <u>Los Angeles, California</u>					
Pillsbury's Best 17% All Purpose with 2% Granite Grit	G	17.00	4.00	7.00	13.00
	F	16.99	2.59	6.63	11.03
Pillsbury's Best Chick Scratch Feed	G	9.00	2.00	4.00	4.00
	F	9.39	2.05	1.20	1.76
Pillsbury's Best Chick Scratch Feed	G	9.00	2.00	4.50	2.50
	F	10.39	3.01	1.41	1.12
<u>The Pillsbury Company</u> <u>Feed Division</u> <u>Clinton, Iowa</u>					
Pillsbury's Best Layeration with 2% Granite Grit	G	16.00	2.50	6.50	11.00
	F	16.35	4.05	3.60	9.05
Pillsbury's Best Pigeon Feed	G	10.00	2.00	4.00	4.00
	F	13.67	2.86	2.72	1.86
Pillsbury's Best Pigeon Feed	G	10.00	2.00	4.00	4.00
	F	15.41	2.35	3.82	1.67
Pillsbury's Best Pigeon Feed	G	10.00	2.00	4.00	4.00
	F	13.86	2.31	3.22	1.81
Pillsbury's Best Pigeon Feed	G	10.00	2.00	4.00	4.00
	F	15.14	2.96	2.81	1.95

* G = guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
<u>The Quaker Oats Company</u>					
<u>Chicago 54, Illinois</u>					
Corn Chop	G	8.50	3.50	3.00	3.00
	F	8.62	4.41	1.86	1.40
Ful-O-Pep Broiler Mash (AGI) M, Medicated	G	22.00	3.00	3.50	9.00
	F	22.48	3.55	2.42	6.12
Ful-O-Pep Broiler Mash (U) M, Medicated	G	22.00	5.00	3.50	9.00
	F	21.64	7.88	2.94	7.21
Ful-O-Pep Cage Egg Ration	G	16.00	3.50	6.00	9.50
	F	16.29	3.36	3.90	8.18
Ful-O-Pep Cage Egg Ration	G	16.00	3.50	6.00	9.50
	F	16.29	3.43	5.07	8.30
Ful-O-Pep Cage Egg Ration	G	16.00	3.50	6.00	9.50
	F	16.27	3.68	4.10	5.47
Ful-O-Pep Cage Egg Ration	G	16.00	3.50	6.00	9.50
	F	16.02	4.20	4.46	7.22
Ful-O-Pep Cage Layer Ration	G	16.00	7.00	5.00	9.50
	F	16.16	4.43	5.28	7.63
Ful-O-Pep Cage Layer Ration M	G	16.00	4.00	6.50	10.00
	F	17.68	4.23	6.01	7.54
Ful-O-Pep Cage Layer Ration M	G	16.00	4.00	6.50	10.00
	F	18.57	5.31	6.32	9.36
Ful-O-Pep Caponette Fattener Ration (AQ) Medicated	G	17.00	4.00	5.00	7.00
	F	16.90	5.93	4.36	4.91
Ful-O-Pep Caponette Fattener Ration (AQ) Medicated	G	17.00	4.00	5.00	7.00
	F	18.57	5.37	5.19	6.42
Ful-O-Pep Caponette Fattener Ration (AQ) Medicated	G	17.00	4.00	5.00	7.00
	F	17.70	5.37	4.85	4.92
Ful-O-Pep Chik Pre-Starter (C2) Medicated	G	25.00	3.00	4.00	8.50
	F	27.16	3.63	3.93	6.40
Ful-O-Pep Chik Pre-Starter (C2) Medicated	G	25.00	3.00	4.00	8.50
	F	25.36	3.31	3.82	6.87
Ful-O-Pep Chik Pre-Starter (C2) Medicated	G	25.00	3.00	4.00	8.50
	F	25.31	3.66	3.95	7.36
Ful-O-Pep Chick Starter Ration (Q1) Medicated	G	18.00	3.00	7.00	9.00
	F	19.46	3.66	5.68	6.73
Ful-O-Pep Chick Starter Ration (Q1) Medicated	G	18.00	3.00	7.00	9.00
	F	20.25	3.86	6.24	6.82
Ful-O-Pep Chick Starter Ration (Q1) Medicated	G	18.00	3.50	7.00	9.00
	F	19.19	3.76	6.51	5.97

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Ful-O-Pep Chick Starter (Q2) M	G	20.00	4.00	6.50	8.50
Medicated	F	20.00	4.53	4.44	8.58
Ful-O-Pep Creep Feed	G	14.00	2.50	9.00	9.00
	F	15.41	3.82	9.07	7.40
Ful-O-Pep Egg Breeder Mash	G	20.00	4.00	8.00	9.50
	F	20.77	4.29	6.12	6.40
Ful-O-Pep Egg Breeder Mash	G	20.00	4.00	8.00	9.50
	F	22.63	3.83	6.06	6.98
Ful-O-Pep Egg Breeder Mash	G	20.00	4.00	8.00	9.50
	F	20.16	4.26	4.79	7.23
Ful-O-Pep Egg Breeder Mash	G	20.00	4.00	8.00	9.50
	F	20.52	4.98	5.32	6.96
Ful-O-Pep Egg Breeder Mash M	G	20.00	4.00	8.00	9.50
	F	19.73	4.47	5.15	6.79
Ful-O-Pep Egg Breeder Mash M	G	20.00	4.00	8.00	9.50
	F	20.26	4.88	4.94	8.10
Ful-O-Pep Growing Mash	G	19.00	3.50	8.00	9.50
	F	21.04	3.83	7.22	7.34
Ful-O-Pep Growing Mash	G	19.00	3.50	8.00	9.50
	F	19.55	3.37	7.09	7.98
Ful-O-Pep Growing Mash	G	19.00	3.50	8.00	9.50
	F	19.63	3.63	6.13	6.93
Ful-O-Pep Growing Mash M	G	19.00	3.50	8.00	9.50
	F	19.64	4.83	6.35	7.19
Ful-O-Pep Growing Mash M	G	19.00	3.50	8.00	9.50
	F	19.02	4.53	5.22	9.13
Ful-O-Pep Pullet Developer	G	11.00	2.00	20.00	9.50
	F	11.51	2.30	17.16	6.74
Ful-O-Pep Pullet Developer	G	11.00	2.00	20.00	9.50
	F	11.62	1.98	17.37	7.03
Ful-O-Pep Pullet Developer	G	11.00	2.00	20.00	9.50
	F	11.00	2.24	18.20	6.39
Ful-O-Pep Pullet Developer	G	11.00	2.00	20.00	9.50
	F	11.88	2.72	16.21	7.20
Ful-O-Pep Pullet Developer M	G	11.00	2.00	18.00	9.50
	F	11.55	4.91	16.67	9.47
Ful-O-Pep Scratch Grains	G	9.00	1.50	3.00	2.00
	F	10.03	2.98	1.17	1.24
Ful-O-Pep Scratch Grains M	G	8.50	2.50	3.50	-
	F	9.51	3.75	2.00	1.45
Ful-O-Pep Super Broiler Mash (AQ)	G	22.00	8.00	6.00	7.00
Medicated	F	23.29	8.59	5.79	6.50

* G = guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Ful-O-Pep Super Broiler Pre-Starter	G	26.00	8.00	4.00	8.50
(AQ) Medicated	F	28.24	9.32	3.47	6.41
Ful-O-Pep Super Broiler Pre-Starter	G	26.00	8.00	4.00	8.50
(AQ) Medicated	F	26.42	6.87	3.62	6.79
Ful-O-Pep Super Broiler Pre-Starter	G	26.00	8.00	4.00	8.50
(AQ) Medicated	F	24.21	8.09	3.85	6.78
Ful-O-Pep Super Broiler Pre-Starter	G	26.00	8.00	4.00	8.50
(AQ) Medicated	F	26.77	8.46	3.69	6.07
<u>Ralston Purina Company</u>					
<u>St. Louis, Missouri</u>					
Purina of Broiler Chow Finisher (D)	G	20.00	4.50	4.50	7.00
3NC Medicated	F	21.48	4.99	3.74	5.26
Purina of Broiler Chow Finisher (D)	G	20.00	4.50	4.50	7.00
3NC Medicated	F	19.81	5.46	3.10	5.07
Purina Broiler Chow Finisher (W)	G	20.00	5.00	4.50	7.00
3AB NC Medicated	F	20.43	7.57	3.38	5.07
Purina Broiler Chow Finisher (W)	G	20.00	5.00	4.50	7.00
3 GC Medicated	F	19.11	10.18	3.32	4.78
Purina Broiler Chow Finisher (W)	G	20.00	5.00	4.50	7.00
3NC Medicated	F	20.69	8.06	3.17	5.20
Purina of Broiler Chow Starter (D)	G	23.00	4.50	4.50	8.00
3NC Medicated	F	24.48	4.77	4.59	5.64
Purina of Broiler Chow Starter (D)	G	23.00	4.50	4.50	8.00
3NC Medicated	F	23.07	5.37	4.65	5.77
Purina Broiler Chow Starter (W)	G	23.00	5.00	4.50	8.00
3 GC Medicated	F	23.33	8.19	3.85	5.70
Purina Broiler Chow Starter (W)	G	23.00	5.00	4.50	8.00
3 NC Medicated	F	23.33	4.93	4.07	5.50
Purina Chick Growena A	G	17.00	3.00	7.00	7.00
	F	16.82	4.68	5.14	5.43
Purina Chick Growena (A) GC,	G	17.00	3.00	7.00	7.00
Medicated	F	17.70	4.46	5.76	5.85
Purina Chick Growena (A) NC,	G	17.00	3.00	7.00	7.00
Medicated	F	17.61	4.38	5.23	5.75
Purina Chick Startena (W) 3 GC,	G	20.00	2.50	7.00	7.00
Medicated	F	21.22	4.09	6.57	5.66
Purina Chick Startena (W) NC,	G	20.00	2.50	7.00	7.00
Medicated	F	21.13	4.07	6.48	5.68
Purina Flock Chow D	G	18.00	4.00	7.50	12.00
	F	18.52	4.15	5.77	7.48

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Purina Flock Chow D	G	18.00	3.50	6.50	12.00
	F	18.31	4.53	5.28	7.91
Purina Flock Chow D	G	18.00	3.50	6.50	12.00
	F	18.67	3.91	4.98	8.19
Purina Flock Chow D	G	18.00	3.50	6.50	12.00
	F	19.11	3.83	4.99	7.87
Purina Flock Chow D	G	18.00	3.50	6.50	12.00
	F	<u>17.50</u>	4.07	4.34	7.89
Purina Flock Chow 16% D	G	16.00	3.50	6.50	11.00
	F	17.44	4.36	4.21	7.54
Purina Game Bird Breeder Layena	G	20.00	3.00	7.00	11.00
	F	21.13	2.77	5.87	9.49
Purina Game Bird Growena	G	20.00	3.00	7.00	9.00
	F	20.23	3.10	4.59	7.27
Purina Medicated Chek-R-Aid A	G	20.00	4.50	4.50	9.00
	F	22.28	4.45	4.23	5.99
Purina Omolene	G	10.00	3.00	9.00	6.00
	F	11.97	3.47	6.12	3.74
Purina Omolene	G	10.00	3.00	9.00	6.00
	F	12.15	3.97	5.74	3.90
Purina Omolene	G	10.00	3.00	9.00	6.00
	F	12.26	3.56	6.12	4.66
Purina Omolene	G	10.00	3.00	9.00	6.00
	F	11.51	3.59	5.72	3.92
Purina Pigeon Chow Checkers	G	15.00	2.50	4.00	6.50
	F	15.01	3.80	3.10	5.61
Purina Pigeon Chow Checkers	G	15.00	2.50	4.00	6.50
	F	<u>14.44</u>	3.89	3.39	5.49
Purina Poultry Booster Chow	G	24.00	2.50	6.50	12.00
	F	23.59	3.70	6.61	9.28
<u>San Joaquin Cotton Oil Company</u>					
<u>Chowchilla, California</u>					
Paymaster Brand 41% Protein Degossy- polized Cotton Seed Meal Prime Quality - Made from CottonSeed	G	41.00	3.50	15.00	7.00
	F	<u>38.42</u>	4.44	14.16	5.56
<u>Triangle Milling Company</u>					
<u>Portland, Oregon</u>					
Triangle Albina Scratch Feed	G	8.00	2.00	3.50	2.50
	F	10.04	2.60	2.21	1.58
Triangle Albina Scratch Feed	G	8.00	2.00	3.50	2.50
	F	8.80	3.39	2.12	1.64

* G = Guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Triangle Broiler finisher contains 0.0055% Nitrofurazone	G	17.00	3.50	4.50	9.00
	F	19.37	3.59	4.38	5.22
Triangle Broiler Ration Medicated	G	20.00	3.00	3.50	9.00
	F	22.48	4.70	3.68	7.61
Triangle Developing Feed Medicated	G	17.00	3.50	9.00	10.00
	F	19.72	4.84	6.27	7.44
Triangle Feed All Mash	G	16.00	3.50	9.00	12.00
	F	19.15	3.29	8.22	6.87
Triangle Feed All Mash	G	16.00	3.50	9.00	12.00
	F	18.67	3.98	7.40	8.09
Triangle 4 Grain Scratch Feed	G	8.00	2.00	4.00	3.00
	F	9.86	2.81	2.79	1.69
Triangle 4 Grain Scratch Feed	G	8.00	2.00	4.00	3.00
	F	9.86	2.82	3.42	1.72
Triangle 4 Grain Scratch Feed	G	8.00	2.00	4.00	3.00
	F	9.89	2.77	2.79	1.85
Triangle 4 Grain Scratch Feed	G	8.00	2.00	4.00	3.00
	F	9.80	2.51	3.15	1.70
Triangle Hi-E Egg Layer 16%	G	16.00	3.50	5.00	12.00
	F	19.28	3.93	6.17	8.75

Fred L. Waldron, Ltd.
Honolulu, Hawaii

Waldron's Peerless All Mash Egg	G	16.00	3.50	5.00	11.00
Food (with Shell and 1.5% Granite Grit) Medicated	F	17.52	4.56	4.98	9.82
Waldron's Peerless All Mash Egg	G	16.00	3.50	5.00	11.00
Food (with Shell and 1.5% Granite Grit) Medicated	F	16.29	3.51	4.42	10.63
Waldron's Peerless All Mash Egg	G	16.00	3.50	5.00	11.00
Food (with Shell and 1.5% Granite Grit) Medicated	F	17.87	3.49	5.22	10.47
Waldron's Peerless All Mash Egg	G	16.00	3.50	5.00	11.00
Food (with Shell and 1.5% Granite Grit) Medicated	F	16.02	3.83	4.10	10.10
Waldron's Peerless All Mash Egg	G	16.00	3.50	5.00	11.00
Food (with Shell and 1.5% Granite Grit) Medicated	F	16.53	3.57	4.43	11.71
Waldron's Peerless All Mash Egg	G	16.00	3.50	5.00	11.00
Food (with Shell and 1.5% Granite Grit) Medicated	F	15.99	4.02	4.30	10.35
Waldron's Peerless All Mash Egg	G	16.00	3.50	5.00	11.00
Food (with Shell and 1.5% Granite Grit) Medicated	F	15.46	4.54	4.13	11.13

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Waldron's Peerless All Mash Egg	G	16.00	3.50	5.00	11.00
Food (with Shell and 1.5% Granite Grit) Medicated	F	16.37	5.69	4.46	<u>11.85</u>
Waldron's Peerless All Mash Egg	G	16.50	3.00	7.50	9.50
Food Pellets	F	18.34	4.17	6.52	7.63
Waldron's Peerless All Mash Egg	G	16.50	3.00	7.50	9.50
Food Pellets	F	18.40	3.52	5.31	6.20
Waldron's Peerless All Mash Egg	G	16.50	3.00	7.50	9.50
Food Pellets	F	17.17	4.73	3.52	6.95
Waldron's Peerless All Mash Egg	G	16.00	3.00	7.50	9.50
Food Pellets	F	16.91	4.10	5.25	7.51
Waldron's Peerless All Purpose Mash	G	16.00	3.50	5.50	9.00
	F	16.90	3.81	4.52	6.66
Waldron's Peerless All Purpose Mash	G	16.00	3.50	5.50	9.00
	F	16.00	4.42	4.43	8.17
Waldron's Peerless Battery Laying Ration (with Shell and 1.5% Granite Grit) Medicated	G	16.00	3.50	5.00	11.00
	F	16.09	3.56	4.54	<u>11.55</u>
Waldron's Peerless Battery Laying Ration (with Shell and 1.5% Granite Grit) Medicated	G	16.00	3.50	5.00	11.00
	F	19.02	4.28	4.72	10.79
Waldron's Peerless Battery Laying Ration (with Shell and 1.5% Granite Grit) Medicated	G	16.00	3.50	5.00	11.00
	F	19.11	3.51	4.40	11.06
Waldron's Peerless Battery Laying Ration (with Shell and 1.5% Granite Grit) Medicated	G	16.00	3.50	5.00	11.00
	F	16.55	3.41	4.04	10.34
Waldron's Peerless Battery Laying Ration (with Shell and 1.5% Granite Grit) Medicated	G	16.00	3.50	5.00	11.00
	F	17.33	3.89	4.11	<u>12.35</u>
Waldron's Peerless Battery Laying Ration (with Shell and 1.5% Granite Grit) Medicated	G	16.00	3.50	5.00	11.00
	F	16.80	4.10	4.13	10.67
Waldron's Peerless Battery Laying Ration (with Shell and 1.5% Granite Grit) Medicated	G	16.00	3.50	5.00	11.00
	F	17.44	4.14	2.58	10.72
Waldron's Peerless Broiler Finisher, Medicated	G	20.00	8.00	3.50	6.50
	F	19.98	8.03	3.23	4.25
Waldron's Peerless Broiler Finisher, Medicated	G	20.00	8.00	3.50	6.50
	F	21.37	<u>6.97</u>	<u>4.28</u>	<u>7.39</u>
Waldron's Peerless Broiler Finisher, Medicated	G	20.00	8.00	3.50	6.00
	F	22.13	<u>7.30</u>	3.36	6.24

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Waldron's Peerless Broiler-Fryer Ration, Medicated	G F	23.50 <u>22.10</u>	7.50 7.26	3.75 <u>4.29</u>	6.50 5.42
Waldron's Peerless Broiler-Fryer Ration, Medicated	G F	23.50 25.01	7.50 7.25	3.75 3.70	6.50 5.67
Waldron's Peerless Broiler-Fryer Ration, Medicated	G F	23.50 <u>22.14</u>	7.50 7.76	3.75 3.87	6.50 5.44
Waldron's Peerless Broiler-Fryer Ration, Medicated	G F	23.50 24.30	7.50 7.14	3.75 3.25	6.50 5.46
Waldron's Peerless Broiler-Fryer Ration, Medicated	G F	23.50 23.69	7.50 7.82	3.75 3.28	6.50 5.09
Waldron's Peerless Broiler-Fryer Ration, Medicated	G F	23.50 24.67	7.50 <u>6.71</u>	3.75 3.88	6.50 6.13
Waldron's Peerless Broiler-Fryer Ration, Medicated	G F	23.50 23.72	7.50 7.31	3.75 3.39	6.50 6.11
Waldron's Peerless Broiler-Fryer Ration, Medicated	G F	23.50 23.41	7.50 7.61	3.75 3.64	6.50 5.71
Waldron's Peerless Broiler-Fryer Ration, Medicated	G F	23.50 23.06	7.50 <u>6.79</u>	3.75 <u>4.30</u>	6.50 6.50
Waldron's Peerless Broiler-Fryer Ration, Medicated	G F	23.50 24.78	7.50 7.97	3.75 3.93	6.50 6.53
Waldron's Peerless Broiler-Fryer Ration, Medicated	G F	23.50 24.34	7.50 7.46	3.75 3.99	6.50 6.69
Waldron's Peerless Cage Layer Ration with Shell and 1.5% Granite Grit	G F	16.00 19.02	3.50 3.22	5.00 4.01	12.50 10.83
Waldron's Peerless Cage Layer Ration with Shell and 1.5% Granite Grit	G F	16.00 16.82	3.50 5.89	5.00 4.20	12.50 12.60
Waldron's Peerless Cage Layer Ration with Shell and 1.5% Granite Grit	G F	16.00 15.77	3.50 3.72	5.00 4.44	12.50 11.77
Waldron's Peerless Cracked Corn	G F	- 8.76	- 3.65	- 1.55	- 1.05
Waldron's Peerless Dual Purpose Grow Lay Food	G F	16.00 16.09	3.50 4.07	5.50 4.99	9.00 7.19
Waldron's Peerless Dual Purpose Grow Lay Food	G F	16.00 18.75	3.50 4.48	5.50 5.02	9.00 7.21
Waldron's Peerless Dual Purpose Grow Lay Food	G F	16.00 18.93	3.50 3.94	5.50 5.28	9.00 7.66
Waldron's Peerless Dual Purpose Grow Lay Food	G F	16.00 17.26	3.50 4.09	5.50 4.95	9.00 6.53
Waldron's Peerless Dual Purpose Grow Lay Food	G F	16.00 17.50	3.50 3.81	5.50 5.02	9.00 9.09
Waldron's Peerless Dual Purpose Grow Lay Food	G F	16.00 16.37	3.50 4.27	5.50 4.43	9.00 8.38

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Waldron's Peerless F-A Feed with Waldron's Chlortetracycline	G F	20.00 20.69	4.00 4.01	4.00 4.26	7.50 7.72
Waldron's Peerless F-A Feed, First Aid	G F	22.00 22.89	5.00 5.34	4.00 4.19	7.50 5.94
Waldron's Peerless Growing Pullet Food (with 1½% Granite Grit) Medicated	G F	16.50 17.26	4.00 5.06	5.00 5.17	8.00 7.87
Waldron's Peerless Growing Pullet Food (with 1½% Granite Grit) Medicated	G F	16.50 18.84	4.00 4.39	5.00 5.09	8.00 7.14
Waldron's Peerless Growing Pullet Food (with 1½% Granite Grit) Medicated	G F	16.50 17.96	4.00 4.12	5.00 4.05	3.00 8.09
Waldron's Peerless Growing Pullet Food (with 1½% Granite Grit) Medicated	G F	16.50 16.99	4.00 4.14	5.00 4.43	8.00 7.54
Waldron's Peerless Growing Pullet Food (with 1½% Granite Grit) Medicated	G F	16.50 16.44	4.00 4.23	5.00 4.00	8.00 7.36
Waldron's Peerless Growing Pullet Food (with 1½% Granite Grit) Medicated	G F	16.50 16.93	4.00 3.86	5.00 4.26	8.00 8.43
Waldron's Peerless Growing Pullet Food (with 1½% Granite Grit) Medicated	G F	16.50 17.33	4.00 4.58	5.00 4.05	8.00 8.03
Waldron's Peerless Growing Pullet Food (with 1½% Granite Grit) Medicated	G F	16.50 17.70	4.00 4.82	5.00 4.09	8.00 7.91
Waldron's Peerless 20% Laying Mash	G F	20.00 20.05	3.50 4.48	5.50 5.97	11.00 9.05
Waldron's Peerless Master Chick Mash, Medicated	G F	20.00 20.86	4.00 4.66	4.50 4.09	7.50 5.88
Waldron's Peerless Master Chick Mash, Medicated	G F	20.00 21.13	4.00 5.14	4.50 4.21	7.50 5.83
Waldron's Peerless Master Chick Mash, Medicated	G F	20.00 22.01	4.00 4.00	4.50 4.05	7.50 5.76
Waldron's Peerless Master Chick Mash, Medicated	G F	20.00 20.52	4.00 4.67	4.50 3.82	7.50 6.42
Waldron's Peerless Master Chick Mash, Medicated	G F	20.00 20.35	4.00 4.71	4.50 3.87	7.50 6.97
Waldron's Peerless Master Chick Mash, Medicated	G F	20.00 20.45	4.00 5.12	4.50 3.91	7.50 6.79
Waldron's Peerless Medicated F-A Feed	G F	22.00 22.54	5.00 5.20	4.00 3.85	7.50 6.80
Waldon's Peerless Medicated F-A Feed First Aid	G F	22.00 23.37	5.00 4.96	4.00 4.02	7.50 6.68
Waldron's Peerless Scratch Feed 50-50	G F	9.00 12.14	2.50 2.65	3.50 2.15	4.00 1.45
Waldron's Peerless Scratch Feed 50-50	G F	9.00 13.29	2.50 2.65	3.50 3.45	4.00 1.41
Waldron's Peerless Scratch Feed 50-50	G F	9.00 11.09	2.50 3.27	3.50 1.92	4.00 1.27

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Waldron's Peerless Scratch Feed 50-50	G	9.00	2.50	3.50	4.00
	F	11.59	2.73	2.18	1.56

CATTLE FEEDS

Albers Milling Company
Los Angeles, California

Albers Beefys 12	G	12.00	2.50	12.00	10.00
	F	15.46	4.38	12.29	7.29
Albers Beefys 12	G	12.00	2.50	12.00	10.00
	F	14.48	2.28	10.31	6.80
Albers Beefys 12	G	12.00	2.50	12.00	10.00
	F	14.51	3.32	10.81	<u>11.17</u>
Albers Beefys 12	G	12.00	2.50	12.00	10.00
	F	14.35	4.93	<u>12.66</u>	8.40
Albers Beefys 12	G	12.00	3.00	12.00	10.00
	F	16.26	3.17	12.48	9.85
Albers Beefys 12	G	12.00	3.00	12.00	10.00
	F	15.46	3.73	11.79	9.12
Albers Beefys 32	G	32.00	2.00	2.50	25.00
	F	33.76	2.95	<u>7.93</u>	13.08
Albers Beefys 32	G	32.00	2.00	2.50	25.00
	F	33.76	2.93	<u>7.85</u>	11.98
Albers Beefys 32 Pellets with 30% Refuse Mixed Screenings	G	32.00	2.50	10.00	12.00
	F	<u>24.26</u>	3.01	5.98	<u>17.47</u>
Albers Beefys 32 Pellets with 30% Refuse Mixed Screenings	G	32.00	2.50	10.00	12.00
	F	<u>24.52</u>	2.95	6.16	<u>15.82</u>
Albers Beefys 41, Medicated	G	41.00	3.00	8.00	12.00
	F	<u>39.80</u>	3.53	<u>11.46</u>	10.12
Albers Beefys 41, Medicated	G	41.00	3.00	8.00	12.00
	F	41.06	4.81	<u>11.11</u>	9.60
Albers Beefys 41, Medicated	G	41.00	3.00	8.00	12.00
	F	<u>39.22</u>	3.17	<u>10.88</u>	10.74
Albers Calf Manna	G	25.00	3.50	5.50	10.00
	F	25.42	4.53	4.10	7.50
Albers Calf Manna	G	25.00	3.50	5.50	10.00
	F	25.60	3.37	3.82	8.89
Albers Calf Manna	G	25.00	3.50	5.50	10.00
	F	25.00	3.93	4.36	6.94
Albers Cattle Developer 14	G	14.00	2.50	12.00	10.00
	F	17.08	4.01	10.96	8.84
Albers Cattle Developer 14	G	14.00	2.50	12.00	10.00
	F	18.75	3.80	11.17	7.99

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Albers Dry Cow Feed	G	16.00	3.00	12.00	10.00
	F	<u>15.15</u>	<u>2.46</u>	7.81	7.24
Albers Dry Cow Feed	G	16.00	3.00	12.00	10.00
	F	<u>14.62</u>	<u>1.88</u>	<u>12.67</u>	7.13
Albers Econ-O-Beefys 16	G	16.00	3.00	12.00	10.00
	F	17.24	4.02	5.90	9.54
Albers Milk Flo 16	G	16.00	3.50	13.00	10.00
	F	18.76	3.12	10.47	6.89
Albers Milk Flo 16	G	16.00	4.00	9.00	10.00
	F	20.44	<u>2.13</u>	7.47	9.02
Albers Milk Flo 20	G	20.00	4.50	11.00	12.00
	F	20.13	4.92	11.08	9.06
Albers Milk Flo 20 Pellets	G	20.00	5.00	9.00	12.00
	F	20.17	<u>3.19</u>	4.94	10.07
Albers Milk Flo 20 Pellets	G	20.00	5.00	9.00	12.00
	F	21.06	<u>3.39</u>	4.76	9.60
Albers Milk Flo Heyfers	G	16.00	2.00	16.00	9.00
	F	17.69	2.41	<u>21.38</u>	7.58
Albers Devitalized Canadian Mixed Screenings Pellets	G	10.00	5.00	20.00	10.00
	F	12.68	7.60	15.91	8.63
Albers Heyfers	G	15.00	1.50	30.00	12.00
	F	15.02	2.79	29.94	8.70
<u>Beckley Feed Company</u>					
<u>P. O. Box 507</u>					
<u>Linden, California</u>					
Special Mix No. 2	G	-	-	-	-
	F	12.35	2.72	13.86	8.16
Special Mix No. 4	G	-	-	-	-
	F	12.08	2.53	11.00	5.08
<u>California Milling Corporation</u>					
<u>Los Angeles, California</u>					
Ace-Hi Big Calf	G	17.50	3.50	9.00	10.00
	F	18.43	3.76	6.51	5.96
Ace-Hi Big Calf	G	17.50	3.50	9.00	10.00
	F	18.49	3.61	6.62	6.09
Ace-Hi Big Calf	G	17.50	3.50	9.00	10.00
	F	17.87	3.17	7.51	6.36
Ace-Hi Big Calf	G	17.50	3.50	9.00	10.00
	F	17.97	3.43	6.52	7.59
Ace-Hi Blue Ribbon Dairy Feed	G	16.00	2.50	10.00	10.00
	F	15.95	3.05	<u>10.74</u>	<u>10.61</u>

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Ace-Hi Blue Ribbon Pig Developer Meal	G	16.00	3.00	9.00	9.00
	F	18.61	3.26	9.41	9.24
Ace-Hi 20% Dairy Feed (for Dairy Cows)	G	20.00	3.00	10.00	8.00
	F	21.31	3.03	7.55	5.80
Ace-Hi 20% Dairy Feed (for Dairy Cows)	G	20.00	3.00	10.00	8.00
	F	22.63	3.12	8.38	6.01
Ace-Hi 20% Dairy Feed (for Dairy Cows)	G	20.00	3.00	10.00	3.00
	F	20.53	3.10	7.19	6.52
Ace-Hi 20% Dairy Feed (for Dairy Cows)	G	20.00	3.00	10.00	8.00
	F	19.55	5.17	7.40	6.32
Ace-Hi 20% Dairy Feed (for Dairy Cows)	G	20.00	3.00	10.00	8.00
	F	20.45	2.74	7.28	7.71
Ace-Hi Junior Calf	G	18.00	3.50	9.00	10.00
	F	19.11	3.48	7.40	5.80
Ace-Hi Junior Calf	G	18.00	3.50	9.00	10.00
	F	19.28	3.67	7.78	6.49
<u>Fisher Flouring Mills Company</u>					
<u>Seattle, Washington</u>					
Fisher's Beef and Hog Fattening Pellets	G	12.00	3.50	4.00	5.00
	F	12.86	3.23	3.44	3.32
Fisher's Dairy Ration with Molasses	G	16.00	3.00	10.00	8.00
	F	16.99	3.21	7.67	6.01
Fisher's Dairy Ration with Molasses	G	16.00	3.00	10.00	8.00
	F	16.97	3.97	7.82	6.78
<u>Foremost Feed Company</u>					
<u>Honolulu, Hawaii</u>					
Foremost Beef Ration #2	G	9.50	1.50	15.00	6.00
	F	12.17	2.30	10.42	<u>7.20</u>
Foremost Dry Cow Feed	G	9.00	1.50	10.00	11.00
	F	12.62	2.56	<u>13.14</u>	8.63
Foremost Cattle Feed	G	11.50	1.50	18.00	6.00
	F	11.71	2.79	9.00	<u>11.42</u>
Foremost Cattle Feed	G	13.50	1.50	18.00	6.00
	F	13.12	2.49	11.22	<u>8.50</u>
Foremost Cattle Feed	G	13.50	1.50	18.00	6.00
	F	<u>11.09</u>	2.34	8.58	4.63
Foremost Cattle Feed	G	13.50	1.50	18.00	11.50
	F	<u>12.40</u>	2.74	8.44	8.35

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Foremost 18% Dairy Feed	G	18.00	2.50	14.00	10.50
	F	24.87	3.62	7.50	7.56
Foremost 18% Dairy Feed	G	18.00	2.50	14.00	10.50
	F	20.92	3.50	8.10	6.85
Foremost 18% Dairy Feed	G	18.00	2.50	14.00	10.50
	F	22.93	4.02	6.75	7.32
Foremost Dry Cow Feed	G	9.00	1.50	10.00	11.00
	F	11.35	1.60	12.63	5.24
Foremost Dry Cow Feed	G	9.00	1.50	10.00	11.00
	F	11.20	2.58	11.51	8.67
<u>General Mills, Inc.</u>					
<u>Honolulu, Hawaii</u>					
Larro 0.0022% Diethylstilbestrol	G	50.00	2.00	10.00	12.00
Mix in Larro Surebeef 50	F	48.75	3.77	10.94	6.47
Larro 0.0022% Diethylstilbestrol	G	50.00	2.00	10.00	12.00
Mix in Larro Surebeef 50	F	49.20	3.63	9.90	8.74
Larro 0.0022% Diethylstilbestrol	G	50.00	2.00	10.00	12.00
Mix in Larro Surebeef 50	F	49.48	2.20	10.41	9.29
Larro Surecalf	G	20.00	2.50	8.00	9.00
	F	17.98	2.86	7.78	5.63
Larro Surecalf	G	20.00	3.00	8.00	9.00
	F	19.81	2.72	7.61	5.86
Larro Surecalf	G	20.00	3.00	8.00	9.00
	F	19.67	3.12	7.77	6.56
Larro Surecalf	G	20.00	3.00	8.00	9.00
	F	16.81	3.38	7.82	6.42
Larro Surecalf	G	20.00	3.00	8.00	9.00
	F	19.81	2.85	8.25	6.80
Larro Surecalf	G	20.00	3.00	8.00	9.00
	F	18.76	2.85	7.72	6.86
Larro Surecattle 32	G	32.00	2.00	9.00	14.00
	F	31.92	3.67	8.22	8.43
Larro Surecattle 32	G	32.00	2.00	10.00	14.00
	F	33.10	3.24	9.96	12.20
Larro Surecattle 32	G	32.00	2.00	10.00	14.00
	F	34.30	1.66	9.49	11.13
Larro Suremilk 16	G	16.00	3.00	9.50	10.00
	F	16.91	2.82	7.78	6.93
Larro Suremilk 20	G	20.00	3.00	9.50	9.00
	F	20.86	3.34	7.90	6.55
Larro Suremilk 20	G	20.00	3.00	9.50	9.00
	F	21.13	3.55	8.68	5.10

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Larro Suremilk 20	G	20.00	3.00	9.50	9.00
	F	20.25	3.03	7.39	6.22
Larro Suremilk 20	G	20.00	3.00	9.50	9.00
	F	22.01	3.25	7.74	6.52
Larro Suremilk 20	G	20.00	3.00	9.50	9.00
	F	19.90	2.78	8.30	6.44
Larro Suremilk 20	G	20.00	3.00	9.50	9.00
	F	21.50	2.83	7.69	6.35
Larro Suremilk 20	G	20.00	3.00	9.50	9.00
	F	21.24	3.34	7.17	7.47
Larro Suremilk 24%	G	24.00	2.50	10.00	8.50
	F	25.32	2.57	8.34	7.30

Hawaiian Commercial and Sugar Company, Ltd.
Puunene, Maui, Hawaii

Maui Brand Dairy Feed	G	14.00	3.00	12.00	13.00
	F	16.90	3.17	10.39	10.67
Maui Brand Dairy Feed	G	14.00	3.00	12.00	13.00
	F	14.48	3.15	12.27	9.66
Maui Brand Pasture Supplement Feed (with Added Minerals)	G	28.00	4.00	8.00	30.00
	F	33.26	4.33	7.97	25.88

The Quaker Oats Company
Los Angeles, California

Ful-O-Pep Calf Ration	G	20.00	3.00	9.00	9.00
	F	23.82	3.45	8.38	8.44
Ful-O-Pep Calf Ration M	G	20.00	3.00	9.00	9.00
	F	17.94	3.64	8.22	5.86
Ful-O-Pep Calf Ration M	G	20.00	3.00	9.00	9.00
	F	21.24	4.33	8.21	7.71
Ful-O-Pep Calf Sup	G	21.00	7.50	0.50	9.00
	F	22.67	7.31	0.59	7.62
Ful-O-Pep Calf Sup	G	21.00	7.50	0.50	9.00
	F	21.68	7.95	0.19	8.70
Ful-O-Pep Creep Feed for Calves M	G	14.00	3.00	11.00	9.00
	F	14.76	4.14	10.11	7.78
Ful-O-Pep Creep Feed for Calves M	G	14.00	3.00	11.00	9.00
	F	16.26	4.47	9.26	8.00
Ful-O-Pep 32% Dairy Concentrate M	G	32.00	1.00	10.00	13.00
	F	31.64	2.40	6.64	10.93
Ful-O-Pep 32% Dairy Concentrate M	G	32.00	1.00	10.00	13.00
	F	33.94	2.57	7.13	10.81

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
<u>Ralston Purina Company</u>					
<u>St. Louis, Missouri</u>					
Purina Calf Startena	G	19.50	3.00	8.00	9.00
	F	20.95	3.86	5.90	6.67
Purina Range Checkers B	G	20.00	2.00	10.00	10.00
	F	20.96	2.22	9.30	6.50
<u>Robinson Farms</u>					
<u>Honolulu, Hawaii</u>					
Honolulu Dairy Mixed Feed	G	16.00	2.25	19.90	11.82
	F	<u>14.66</u>	<u>1.70</u>	<u>23.22</u>	7.12
Honolulu Dairy Mixed Feed	G	16.00	2.25	19.90	11.82
	F	<u>12.82</u>	1.97	<u>21.98</u>	6.60
<u>San Joaquin Valley Hay Growers Association</u>					
<u>P. O. Box 327</u>					
<u>Tracy, California</u>					
Vernalfa Brand Alfalfa Meal and Molasses	G	13.00	1.50	28.00	10.00
	F	14.22	1.97	27.36	8.30
Vernalfa Brand Alfalfa Meal and Molasses	G	13.00	1.50	28.00	10.00
	F	15.22	2.02	18.23	9.08

SWINE FEEDS

<u>Albers Milling Company</u> <u>Los Angeles, California</u>					
Albers Hawaiian Pig Finisher	G	12.00	2.50	7.00	9.00
	F	15.28	3.16	6.98	8.66
Albers Hawaiian Pig and Sow Ration	G	18.00	4.00	9.00	9.00
	F	18.40	5.01	5.80	9.20
Albers Hog Maker 12	G	12.00	3.50	8.00	9.00
	F	12.67	4.78	6.88	8.00
Albers Hog Maker 12	G	12.00	3.50	8.00	9.00
	F	12.50	5.31	6.97	6.75
Albers Hog Maker 12	G	12.00	3.50	8.00	9.00
	F	12.77	3.51	7.80	8.75
Albers Hog Maker 14	G	14.00	3.50	8.00	9.00
	F	14.48	3.26	6.24	8.08
Albers Lab-Mix for Swine	G	42.00	7.00	4.00	30.00
	F	44.60	8.80	3.58	26.48
Albers Lab-Mix for Swine	G	42.00	7.00	4.00	30.00
	F	41.94	6.85	3.54	25.56
Albers Pig Finisher	G	12.00	3.00	8.00	9.00
	F	15.14	4.34	5.71	7.37

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Albers Pig Maker Medicated	G	16.00	3.00	8.50	9.00
	F	18.34	4.48	6.05	8.45
Albers Pig Maker Medicated	G	16.00	3.00	8.50	9.00
	F	18.63	2.49	7.30	6.34
Albers Pig Maker (Quality Controlled)	G	16.00	4.00	6.00	9.00
	F	14.92	4.59	4.02	6.40
Albers Pig Maker 16	G	16.00	3.50	8.00	9.00
	F	17.43	4.06	6.30	6.92
Albers Pig and Sow Ration Medicated	G	16.00	3.00	11.00	10.00
	F	19.33	4.68	9.44	9.60
Albers Pig and Sow Ration Medicated	G	15.00	3.00	11.00	10.00
	F	15.85	4.64	10.45	9.82
Albers Pig and Sow Ration Medicated	G	15.00	3.00	11.00	10.00
	F	19.28	4.49	7.99	9.19
Albers Pig and Sow Ration Medicated	G	16.00	3.00	11.00	10.00
	F	20.22	4.13	6.34	5.52
Albers Pig and Sow Ration Medicated for Swine Only	G	18.00	5.00	6.00	10.00
	F	18.84	4.72	4.13	6.73
Albers Pig and Sow Ration Medicated for Swine Only	G	18.00	5.00	6.00	10.00
	F	16.87	4.78	3.57	7.05
Albers Suckle	G	24.00	5.00	0.50	9.00
	F	26.30	5.23	0.39	8.66
Albers Sweet Pak Pig Starter Medicated	G	20.00	4.00	4.00	9.00
	F	20.32	4.96	3.36	5.38
Albers Sweet Pak Pig Starter Medicated	G	20.00	4.00	4.00	9.00
	F	20.31	5.04	3.42	5.94
Albers Sweet Pak Pig Starter Medicated	G	20.00	4.00	4.00	9.00
	F	20.78	4.28	3.86	5.15
Albers Sweet Pak Pig Starter	G	20.00	4.00	4.00	9.00
	F	20.16	4.22	3.90	5.75
Albers Sweet Rumenade	G	15.00	2.00	8.00	18.00
	F	16.54	2.26	8.29	10.51
Albers Sweet Rumenade	G	15.00	2.00	8.00	18.00
	F	13.83	1.62	7.83	12.28

California Milling Corporation
Los Angeles, California

Ace-Hi Pig and Sow Grower	G	15.00	3.00	6.00	10.00
	F	15.02	3.82	4.82	7.77
Ace-Hi Pig and Sow Grower	G	15.00	3.00	6.00	10.00
	F	15.67	4.50	5.20	8.94
Ace-Hi Pig and Sow Grower, Medicated for Swine only	G	15.00	3.00	6.00	10.00
	F	17.24	3.81	4.59	6.36

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Ace-Hi Pig and Sow Grower, Medicated for Swine only	G F	17.00 18.70	3.50 4.24	8.00 5.01	10.00 5.99
Ace-Hi Pig and Sow Grower, Medicated for Swine only	G F	17.00 18.40	3.50 4.04	8.00 5.35	10.00 6.40
Ace-Hi Pig Starter Pellets, Medicated for Swine only	G F	20.00 20.43	4.00 5.76	8.00 6.40	8.00 8.09
Ace-Hi Pig Starter Pellets, Medicated for Swine only	G F	20.00 20.34	4.00 5.60	8.00 6.87	8.00 8.15
Ace-Hi Pig Starter Pellets, Medicated for Swine only	G F	20.00 20.03	4.00 5.11	8.00 5.28	8.00 6.69
Ace-Hi Pig Starter Pellets, Medicated for Swine only	G F	20.00 20.53	4.00 4.20	8.00 5.46	8.00 7.26
Ace-Hi Swine Holder Feed	G F	10.00 15.55	2.00 3.72	12.00 11.37	9.00 <u>9.78</u>
Valley Farm Pig Grower Medicated for Swine only	G F	14.00 15.32	2.50 4.22	9.00 3.50	9.00 7.02
<u>Fisher Flouring Mills Company</u> <u>Seattle, Washington</u>					
Fisher's Morpork	G F	16.00 15.67	3.50 3.67	7.00 5.17	7.00 4.74
Fisher's Morpork	G F	16.00 17.61	3.50 3.33	7.00 5.31	7.00 5.57
Fisher's Morpork	G F	16.00 17.70	3.50 3.25	7.00 5.87	7.00 5.72
Fisher's Morpork	G F	16.00 16.43	3.50 3.79	7.00 5.09	7.00 5.54
Fisher's Morpork	G F	16.00 17.86	3.50 3.78	7.00 3.95	7.00 5.68
Fisher's Morpork	G F	16.00 15.64	3.50 3.93	7.00 5.30	7.00 5.76
Fisher's Morpork Special	G F	15.00 15.82	3.50 3.48	7.00 4.49	7.00 4.39
Fisher's Morpork Special	G F	15.00 15.76	3.50 3.60	7.00 4.52	7.00 3.72
Fisher's Morpork Special	G F	15.00 16.64	3.50 3.71	7.00 4.41	7.00 4.32
Fisher's Morpork Special	G F	15.00 16.00	3.50 3.77	7.00 4.59	7.00 4.62
Fisher's Morpork Special	G F	15.00 15.91	3.50 4.07	7.00 4.99	7.00 5.10
Fisher's Pig Starter Pellets, Medicated	G F	20.00 20.32	3.50 3.79	6.50 4.43	7.00 5.79

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Fisher's Pig Starter Pellets, Medicated	G F	20.00 21.31	3.50 3.79	6.50 5.50	7.00 5.85
Fisher's Pig Starter Pellets, Medicated	G F	20.00 21.13	3.50 3.78	6.50 4.36	7.00 6.43
Fisher's Pig Starter Pellets, Medicated	G F	20.00 20.62	3.50 5.34	6.50 4.07	7.00 6.86
Fisher's Pig Starter Pellets, Medicated	G F	20.00 19.81	3.50 4.33	6.50 5.00	7.00 6.32
Fisher's Pig Starter Pellets, Medicated	G F	20.00 20.53	3.50 3.87	6.50 4.20	7.00 6.83

Foremost Feed Company
Honolulu, Hawaii

Foremost Brood Sow Ration	G F	14.00 16.64	1.50 3.28	10.00 8.25	8.00 8.27
Foremost Growing Pig Meal	G F	19.00 20.43	2.50 4.31	6.50 6.05	5.00 7.98
Foremost Growing Pig Meal	G F	19.00 20.96	2.50 4.22	6.50 5.57	5.00 7.65
Foremost Growing Pig Meal	G F	19.00 20.70	2.50 3.97	6.50 4.68	5.00 7.76
Foremost Growing Pig Meal	G F	19.00 20.53	2.50 3.95	6.50 4.35	5.00 7.25
Foremost Sow and Pig Meal	G F	16.00 17.87	2.50 3.67	9.00 8.15	7.00 7.84
Foremost Sow and Pig Meal	G F	16.00 17.87	2.50 3.15	9.00 7.94	7.00 5.67
Foremost Sow and Pig Meal	G F	16.00 17.89	2.50 3.21	9.00 7.94	7.00 6.97
Foremost Sow and Pig Meal	G F	16.00 16.55	2.50 3.05	9.00 8.69	7.00 7.86

General Mills, Inc.
Honolulu, Hawaii

Larro Surepig, Medicated	G F	18.00 18.16	3.00 4.20	4.00 3.62	7.00 5.70
Larro Surepig, Medicated	G F	18.00 19.99	3.00 4.12	4.00 3.02	7.00 4.77
Larro Surepig, Medicated	G F	18.00 18.67	3.00 3.09	4.00 3.65	7.00 5.08
Larro Surepig (AGS) Medicated	G F	18.00 18.57	3.00 3.42	4.00 3.05	7.00 5.50
Larro Surepig (AGS-HYG) Medicated	G F	18.00 18.12	3.00 3.20	4.00 3.72	7.00 5.33

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Larro Surepig (AGS-HYG) Medicated	G	18.00	3.00	4.00	7.00
	F	18.76	3.61	3.01	5.42
Larro Surepork Complete (AGS-HYG) Medicated	G	16.00	2.50	6.00	8.00
	F	16.27	2.78	6.45	7.24
Larro Surepork Complete (AGS-HYG) Medicated	G	15.00	2.50	6.00	8.00
	F	18.14	2.86	6.18	4.35
Larro Surepork Complete (AGS-HYG) Medicated	G	15.00	2.50	6.00	8.00
	F	15.05	2.47	6.21	5.68
Larro Surepork Complete (AGS-HYG) Medicated	G	15.00	2.50	6.00	8.00
	F	15.99	2.92	5.11	5.45
Larro Surepork Complete (AGS-HYG) Medicated	G	15.00	2.50	6.00	8.00
	F	15.40	3.08	5.45	6.49
Larro Surepork Complete (AGS) Medicated	G	15.00	2.50	6.00	8.00
	F	16.63	2.71	6.13	6.59
Larro Surepork Complete (AGS)	G	15.00	2.50	6.00	8.00
	F	16.18	2.64	6.08	5.65
Larro Surepork Complete (AGS)	G	15.00	2.50	6.00	8.00
	F	16.52	2.77	<u>6.68</u>	6.14
Larro Surepork Complete (AGS)	G	15.00	2.50	6.00	8.00
	F	14.88	2.77	6.48	6.40
Larro Surepork Complete (AGS)	G	15.00	2.50	6.00	8.00
	F	15.28	2.63	6.03	5.82
Larro Surepork Complete (AGS)	G	15.00	2.50	6.00	8.00
	F	15.05	3.25	5.24	6.05
Larro Surepork 35	G	35.00	2.50	8.00	16.00
	F	35.05	2.51	7.45	14.75
Larro Surepork 35	G	35.00	2.50	8.00	16.00
	F	<u>34.08</u>	<u>1.72</u>	8.15	12.77
Larro Surepork 35	G	35.00	1.50	8.00	16.00
	F	<u>33.34</u>	2.88	8.46	9.97
Larro Surepork 35	G	35.00	1.50	8.00	16.00
	F	35.74	2.12	6.10	12.45
Larro Surepork 35	G	35.00	1.50	8.00	16.00
	F	<u>34.42</u>	3.03	<u>8.67</u>	12.62
Larro Surepork 35	G	35.00	1.50	8.00	16.00
	F	34.76	2.45	7.65	13.55
Special Medicated Surepork Complete	G	15.00	2.50	6.00	8.00
	F	15.64	2.92	6.02	6.73
Special Medicated Surepork Complete	G	15.00	2.50	6.00	8.00
	F	15.55	3.18	6.00	5.47
Special Medicated Surepork Complete	G	15.00	2.50	6.00	8.00
	F	15.02	2.72	5.15	5.82
Special Medicated Surepork Complete	G	15.00	2.50	6.00	8.00
	F	14.87	2.90	5.39	6.41

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
<u>Hawaiian Commercial and Sugar Company, Ltd.</u> <u>Puunene, Maui, Hawaii</u>					
Maui Brand Pig Fattening Meal	G	12.50	3.00	9.00	12.00
	F	15.64	3.67	8.35	10.90
<u>Pillsbury Mills, Inc.</u> <u>Los Angeles, California</u>					
Pillsbury's Best Pig Feast (HA8) Medicated, for Swine only	G	18.00	3.00	5.50	7.50
	F	18.14	4.19	3.10	5.69
Pillsbury's Best Pig and Sow Feed	G	17.00	3.00	7.50	10.00
	F	19.19	3.45	5.39	9.49
<u>The Quaker Oats Company</u> <u>Los Angeles, California</u>					
Ful-O-Pep Hog Supplement M	G	36.00	1.50	10.00	22.00
	F	37.86	2.10	6.92	14.92
Ful-O-Pep Pig Grower (KP) M Medicated for Swine only	G	16.00	3.00	5.00	-
	F	16.82	3.81	3.88	6.27
Ful-O-Pep Pig Starter (KP) M Medicated	G	18.00	2.50	5.00	9.00
	F	18.75	3.15	4.45	7.20
Ful-O-Pep Pig Starter Special	G	18.00	3.50	6.00	9.00
	F	20.23	4.40	3.45	7.19
Ful-O-Pep Pig Starter Special	G	18.00	3.50	6.00	9.00
	F	18.75	3.59	3.65	7.34
Ful-O-Pep Pig Starter Special	G	18.00	3.50	6.00	9.00
	F	17.87	4.09	2.08	6.30
<u>Ralston Purina Company</u> <u>St. Louis, Missouri</u>					
Purina Baby Pig Chow F Medicated	G	18.00	5.00	3.00	8.00
	F	18.75	5.20	1.58	3.89
Purina Baby Pig Chow F Medicated	G	18.00	5.00	3.00	8.00
	F	19.46	6.30	1.59	3.79
Purina Baby Pig Chow F Medicated	G	18.00	5.00	3.00	8.00
	F	20.07	5.76	1.47	3.77
Purina Baby Pig Chow F Medicated	G	18.00	5.00	3.00	8.00
	F	19.63	6.11	1.79	3.59
Purina Complete Sow Chow	G	16.00	2.50	7.00	9.00
	F	16.20	3.52	3.50	3.96
Purina Hog Fatena, Medicated	G	14.00	2.50	7.00	7.00
	F	15.14	3.33	2.62	3.94
Purina Pig Startena, Medicated	G	18.00	4.50	5.00	8.00
	F	20.87	4.78	3.45	4.54

* G = guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition			
	F*	Protein	Fat	Fiber	Ash
Purina Pig Startena,Medicated	G	18.00	4.50	5.00	8.00
	F	21.04	4.20	4.89	5.25
Purina Pig Startena H, Medicated	G	18.00	4.50	5.00	8.00
	F	19.90	5.45	3.25	4.06
<u>Fred L. Waldron, Ltd.</u>					
<u>Honolulu, Hawaii</u>					
Waldron Peerless Pig and Sow Feed Medicated	G	17.00	3.50	6.50	6.50
	F	18.58	4.64	5.55	5.01
Waldron Peerless Pig and Sow Feed Medicated	G	17.00	3.50	6.50	6.50
	F	17.34	4.06	4.79	4.95
Waldron Peerless Pig and Sow Feed Medicated	G	17.00	3.50	6.50	6.50
	F	19.46	3.63	4.71	6.68
Waldron Peerless Pig and Sow Feed Medicated	G	17.00	3.50	6.50	6.50
	F	17.52	4.44	4.92	5.48
Waldron Peerless Pig and Sow Feed Medicated	G	17.00	3.50	6.50	6.50
	F	17.06	4.26	4.20	4.81
Waldron Peerless Pig and Sow Feed Medicated	G	17.00	3.50	6.50	6.50
	F	17.70	4.56	4.16	4.62
Waldron Peerless Pig and Sow Feed Medicated	G	17.00	3.50	6.50	6.50
	F	18.50	4.63	4.53	5.75
Peerless Pork Producer	G	14.00	3.50	6.50	6.50
	F	15.23	4.55	5.39	4.98
Peerless Pork Producer	G	14.00	3.50	6.50	6.50
	F	14.69	4.83	4.13	4.66

RABBIT FEEDS

Albers Milling Company Los Angeles, California

Albers Double Duty Rabbit Ration	G	16.00	2.50	20.00	11.00
	F	<u>14.88</u>	2.67	17.94	9.02
Albers Double Duty Rabbit Ration	G	16.00	2.50	20.00	11.00
	F	16.29	2.54	16.23	9.18
Albers Double Duty Rabbit Ration	G	16.00	2.50	20.00	9.50
	F	16.88	2.38	19.79	8.42
Albers Double Duty Rabbit Ration	G	16.00	2.50	20.00	11.00
	F	<u>14.78</u>	3.43	14.56	10.90
Albers Double Duty Rabbit Ration	G	16.00	2.50	16.50	9.00
	F	17.88	3.38	<u>17.22</u>	9.26
Albers Double Duty Rabbit Rations	G	16.00	2.50	20.00	9.50
	F	16.18	3.03	14.54	9.22

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
<u>Beckley Feed Company</u>					
<u>P. O. Box 507</u>					
<u>Linden, California</u>					
Linden Quality Pellets Alfalfa-Pellets	G	15.00	1.50	23.00	11.00
Suncured Alfalfa	F	15.82	2.12	21.29	<u>15.23</u>
Linden Quality Pellets Alfalfa-Pellets	G	15.00	1.50	23.00	11.00
Suncured Alfalfa	F	15.93	2.08	22.28	<u>14.47</u>
<u>California Milling Corporation</u>					
<u>Los Angeles, California</u>					
Ace-Hi Special Rabbit Pellets	G	16.00	3.00	18.00	10.00
	F	17.98	4.37	14.66	8.96
Ace-Hi Special Rabbit Pellets	G	16.00	3.00	18.00	10.00
	F	16.99	2.86	14.29	9.10
Ace-Hi Special Rabbit Pellets	G	16.00	3.00	18.00	10.00
	F	18.22	2.68	14.32	<u>10.84</u>
Valley Farm Rabbit Pellets	G	16.00	2.50	21.00	10.00
	F	17.62	4.25	15.28	8.12
Valley Farm Rabbit Pellets	G	16.00	2.50	21.00	10.00
	F	17.79	3.07	15.27	8.57
Valley Farm Rabbit Pellets	G	16.00	2.50	21.00	10.00
	F	17.61	2.95	14.82	9.05
Valley Farm Rabbit Pellets	G	16.00	2.00	24.00	12.00
	F	17.61	2.28	16.29	11.96
<u>Fisher Flouring Mills Company</u>					
<u>Seattle, Washington</u>					
Fisher's All-in-One Rabbit Ration Pellets	G	15.00	3.00	16.00	9.00
	F	16.54	3.17	16.25	8.58
Fisher's All-in-One Rabbit Ration Pellets	G	15.00	3.00	16.00	9.00
	F	16.99	2.84	16.10	7.16
Fisher's All-in-One Rabbit Ration Pellets	G	15.00	3.00	16.00	9.00
	F	17.86	2.96	15.21	7.75
<u>General Mills, Inc.</u>					
<u>Honolulu, Hawaii</u>					
Larro Surerabbit	G	16.00	2.00	19.00	10.00
	F	16.63	3.34	16.03	10.10
Larro Surerabbit	G	16.00	2.00	19.00	10.00
	F	16.64	2.60	18.04	9.49
Larro Surerabbit with 2% Bentonite	G	16.00	2.00	17.00	10.00
	F	16.90	2.64	16.18	8.30

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Larro Surerabbit with 2% Bentonite	G	16.00	2.00	19.00	10.00
	F	17.61	1.84	16.17	8.88
Larro Surerabbit (FRZ) Medicated	G	16.00	2.00	19.00	10.00
	F	17.24	2.76	15.32	9.91
Larro Surerabbit (FRZ) Medicated	G	16.00	2.00	19.00	10.00
	F	17.44	2.45	14.95	10.37
Larro Surerabbit (FRZ) Medicated, with 2% Bentonite	G	16.00	2.00	19.00	10.00
	F	18.21	3.23	15.46	9.16

Pillsbury Mills, Inc.
Los Angeles, California

Rabbit Hopper-etts	G	15.00	2.00	20.00	10.00
	F	16.45	2.81	18.58	7.83
Rabbit Hopper-etts	G	15.00	2.00	20.00	10.00
	F	18.49	3.17	17.28	8.74
Rabbit Hopper-etts	G	15.00	2.00	20.00	10.00
	F	16.29	3.47	15.82	7.03
Rabbit Hopper-etts	G	15.00	2.00	20.00	10.00
	F	16.08	2.80	19.66	8.81
Rabbit Hopper-etts	G	15.00	2.00	20.00	10.00
	F	19.47	3.12	15.90	5.64
16% Rabbit Pellets	G	16.00	2.50	19.00	10.00
	F	16.81	3.07	17.53	9.08
16% Rabbit Pellets	G	16.00	2.50	19.00	10.00
	F	17.43	3.36	16.17	7.00
16% Rabbit Pellets	G	16.00	2.50	19.00	10.00
	F	15.67	3.73	16.15	7.32
16% Rabbit Pellets	G	16.00	2.50	19.00	10.00
	F	16.97	3.30	14.59	8.22
16% Rabbit Pellets	G	16.00	2.50	19.00	10.00
	F	17.97	3.33	15.46	8.49

The Quaker Oats Company
Chicago, Illinois

Ful-O-Pep Rabbit Ration	G	16.00	2.50	19.00	12.00
	F	19.15	3.63	12.87	6.80
Ful-O-Pep Rabbit Ration (C4) M, Medicated	G	15.00	2.50	18.00	-
	F	16.11	2.88	14.54	7.67
Ful-O-Pep Rabbit Ration (C4) M, Medicated	G	15.00	2.50	18.00	9.00
	F	16.35	3.39	12.73	8.07
Ful-O-Pep Super Green Pellets	G	20.00	4.00	8.00	9.00
	F	19.69	3.58	5.75	7.02

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition			
		Protein	Fat	Fiber	Ash
Ful-O-Pep Super Green Pellets	G	20.00	4.00	8.00	9.00
	F	21.04	4.22	5.26	7.26
Ful-O-Pep Super Green Pellets	G	20.00	4.00	3.00	9.00
	F	18.75	3.72	5.06	6.39

Ralston Purina Company
St. Louis, Missouri

Purina Rabbit Chow Checkers (Complete Ration)	G	16.00	2.00	18.00	9.00
	F	16.26	1.61	15.00	8.50

San Joaquin Valley Hay Growers Association
San Joaquin, California

Vernalfa Brand Suncured Alfalfa Pellets	G	15.00	1.50	28.00	10.00
	F	16.71	2.51	26.81	8.86

HORSE FEEDS

Albers Milling Company
Los Angeles, California

Albers Banner Horse Feed 15	G	15.00	3.00	12.00	10.00
	F	15.23	3.44	10.89	6.91
Albers Trophy	G	12.00	3.50	9.00	7.00
	F	12.59	3.27	7.85	4.56
Albers Trophy and Calf Manna	G	14.00	3.00	9.00	8.00
	F	15.92	3.31	8.00	6.39

Hawaiian Commercial and Sugar Company, Ltd.
Puunene, Maui, Hawaii

Maui Brand Horse Feed	G	6.50	1.50	12.00	12.00
	F	9.17	2.98	10.30	9.08
Maui Brand Horse Feed	G	6.50	1.50	12.00	12.00
	F	9.69	2.98	11.35	10.08

The Quaker Oats Company
Chicago, Illinois

Ful-O-Pep Horse Feed	G	11.50	3.00	11.00	7.00
	F	12.32	4.55	8.77	4.73
Ful-O-Pep Horse Feed	G	11.50	3.00	11.00	7.00
	F	11.53	4.66	9.87	5.89

* G = guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition	
	F*	Urea	Dicalcium Phosphate

Glesby Brothers' Grain and Milling Company, Inc.
Monrovia, California

Diamond Brand Livestock Minerals,	G	50.00	50.00
Special Mix	F	49.86	48.14

Manufacturer and Brand Name	G*	Percent Composition	
	F*	Calcium	Phosphorus

Furst-McNess Company
Illinois

McNess Hog Premix Medicated	G	22.00	10.00
	F	23.49	10.04
McNess Stock Minerals with Vitamin D ₂ added	G	26.00	7.00
	F	28.00	7.02

Manufacturer and Brand Name	G*	Percent Composition			
	F*	CaCO ₃	Phosphorus	Iodine	Salt

Stockton Veterinary Supply Company
California

Dr. Saunders Iodized Mineral Compound	G	92.00	1.83	0.175	4.00
	F	<u>90.86</u>	1.35	0.381	4.00
Dr. Saunders Iodized Mineral Compound	G	92.00	1.832	0.175	4.00
	F	<u>89.83</u>	<u>1.168</u>	0.279	3.98

* G = guarantee; F = found

Manufacturer and Brand Name	G* F*	Percent Composition					
		Calcium	Phos- phorus	Betaine Hydro- iodide	Mn	Mg	NaCl
<u>Viking Laboratories</u> <u>Washington</u>							
Viking Super Digester	G	19-22.0	6.00	0.80	0.025	0.049	4.00
Feed Supplement	F	16.94	5.83	0.84	0.337	0.089	3.81

Manufacturer and Brand Name	G* F*	Percent Composition			
		Calcium	Phosphorus	Iodine	Salt
<u>Vit-A-Way, Inc.</u>					
<u>Fort Worth, Texas</u>					
Vit-A-Way Mineral-Vitamin	G	18.00	5.50	0.02	12.50
Supplement Special 2031	F	19.04	5.57	0.132	11.61

* G = guarantee; F = found

TABLE 5. TABULATION OF MEDICATED FEED SAMPLES ANALYZED
FROM JULY 1958 to DECEMBER 1959

Manufacturer and Brand Name	G*	Percent Composition
	F*	Arsanilic Acid
MEDICATED FEEDS ANALYZED		
<u>Albers Milling Company</u>		
<u>Los Angeles, California</u>		
Albers Broiler Ration, Medicated	G	0.01
	F	0.005
Albers Pig and Sow Ration, Medicated for Swine only	G	0.01
	F	0.003
Albers Pig and Sow Ration, Medicated for Swine only	G	0.01
	F	0.01
Albers Pig and Sow Ration, Medicated for Swine only	G	0.01
	F	0.01
<u>General Mills, Inc.</u>		
<u>San Francisco, California</u>		
Larro Surepork Complete (AGS)	G	0.01
Medicated	F	0.008
Larro Surepork Complete (AGS)	G	0.01
Medicated	F	0.01
Larro Surepork Complete (AGS-HYG)	G	0.01
Medicated	F	0.008
Larro Surepork Complete (AGS-HYG)	G	0.01
Medicated	F	0.01
Special Medicated Surepork Complete	G	0.01
	F	0.008
Special Medicated Surepork Complete	G	0.01
	F	0.01
<u>The Quaker Oats Company</u>		
<u>Chicago, Illinois</u>		
Ful-O-Pep Pig Grower (KP) M	G	0.01
Medicated for Swine only	F	0.01

* G = guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition
	F*	Arsanilic Acid
<u>Fred L. Waldron, Ltd.</u>		
<u>Honolulu, Hawaii</u>		
Waldron's Peerless All Mash Egg Food with Shell and 1.5% Granite Grit, Medicated	G	0.01
	F	0.01
Waldron's Peerless All Mash Egg Food with Shell and 1.5% Granite Grit, Medicated	G	0.01
	F	0.08
Waldron's Peerless All Mash Egg Food with Shell and 1.5% Granite Grit, Medicated	G	0.01
	F	0.01
Waldron's Peerless Battery Laying Ration with Shell and 1.5% Granite Grit, Medicated	G	0.01
	F	0.01
Waldron's Peerless Battery Laying Ration with Shell and 1.5% Granite Grit, Medicated	G	0.01
	F	0.01
Waldron's Peerless Pig and Sow Feed	G	0.01
	F	0.01
Waldron's Peerless Pig and Sow Feed	G	0.01
	F	0.01

Manufacturer and Brand Name	G*	Percent Composition
	F*	Furazolidone
<u>General Mills, Inc.</u>		
<u>Honolulu, Hawaii</u>		
Larro Medicated Poultry Surelift	G	0.011
	F	0.008
Larro Surelay Complete "H. E." (0.00275 FRZ) Medicated	G	0.00275
	F	0.00318
Larro Surelay Complete "H. E." (0.00275 FRZ) Medicated with 2% Granite Grit	G	0.00275
	F	0.00290

* G = guarantee; F = found

Manufacturer and Brand Name	G*	Percent Composition
	F*	Furazolidone
Larro Surerabbit (FRZ) Medicated	G	0.0055
	F	0.0042

Fred L. Waldron, Ltd.
Honolulu, Hawaii

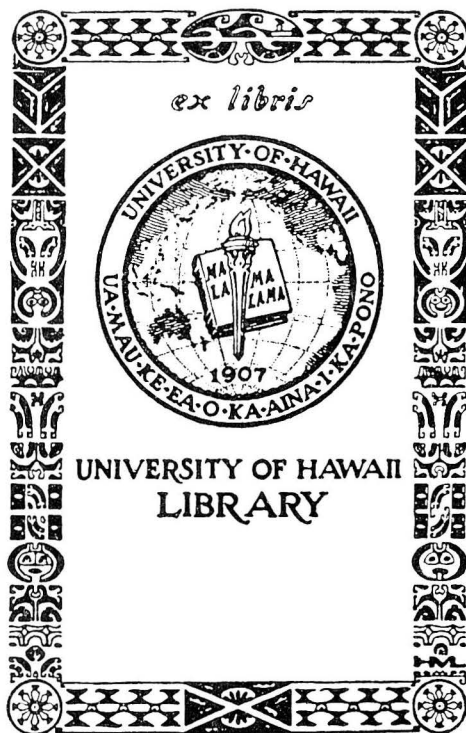
Peerless Medicated F-A Feed First Ade	G	0.011
	F	0.006

Manufacturer and Brand Name	G*	Percent Composition
	F*	Sulfaquinoxaline

California Milling Company
Los Angeles, California

Ace-Hi Broiler and Fryer	G	0.0125
	F	0.0093
Ace-Hi Sulfaquinoxaline Mix Ace-Hi Quik Gro Mash	G	0.0125
	F	0.0132
Ace-Hi Sulfaquinoxaline Mix Ace-Hi Quik Gro Mash	G	0.0125
	F	0.0121

* G = guarantee; F = found



**UNIVERSITY OF HAWAII
COLLEGE OF TROPICAL AGRICULTURE
HAWAII AGRICULTURAL EXPERIMENT STATION
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Director of the Experiment Station